

WHAT'S NEW AT PEL? NEW PRODUCTS SINCE THE PRODUCTION OF THE 17/18 SOURCEBOOK

## ➤ Paper Shears

High quality paper shears, ideal for general everyday use.

- 8" in total length including handle
- 85mm Blade length
- Stainless Steel blades



PRODUCT CODE	DESCRIPTION	PRICE
729-8000	Paper Shears	£8.95

## ➤ Panduran - Alum Testing Pen

Using panduran ink, the alum testing pen detects the presence of alum (aluminium sulfate) in board and paper. The Panduran ink contains an eriochrom dye which reacts with aluminium ions. If a reaction takes place, then the colour of the ink changes to blue and then to violet. The tip can be cleaned by using on a neutral paper. It is necessary to test separately for the paper's pH level.



PRODUCT CODE	DESCRIPTION	PRICE
539-1001	Panduran - Alum Testing Pen	£13.25

## ➤ Finger Cots

Finger cots are ideal for fast and efficient covering of fingers to prevent contamination or for protection. Full gloves can become uncomfortable when worn for extended periods due heat and moisture. Finger cots allow the majority of your hand to breath and simply cover the fingertips allowing for more comfort without compromising on protection. Packs of 100.



- Work in comfort - allow hand to breath unlike a full glove
- Reduce wastage, only cover the finger, or fingers you are using
- High quality blue nitrile material with high tensile strength to prevent snagging
- Pre-rolled ready for use
- Available in three sizes - Small (approx finger circumference 40-55mm), Medium (55-70mm), Large (70-90mm)

PRODUCT CODE	DESCRIPTION		PRICE
837-400S	Nitrile Finger Cots Small	Pkg 100	£9.95
837-400M	Nitrile Finger Cots Medium	Pkg 100	£9.95
837-400L	Nitrile Finger Cots Large	Pkg 100	£9.95

## ➤ Archival Print Storage Boxes - A4, A3 - Coloured

Made to order, exclusively for PEL, these coloured archival print boxes are ideal for single prints, small collections of photographs, and other works of art on paper. The print boxes are made with acid free board covered in your choice of coloured non-woven material. The white acid free interior provides storage which protects your collection from natural deterioration.

- A4 and A3 Sizes
- Your choice of Yellow, Red, Purple, British Racing Green
- 15mm depth
- Acid free
- The shallow capacity 15mm deep which allows storage for a small selection of sheets ensuring damage is removed from over filled deep boxes of documents.

The lid fits completely over the box base for secure protection. For additional protection use our polyester pockets. Please note; minimum order quantity of 25 boxes (one colour). If a colour match is important, please order a free swatch book (sample of each colour 100x70mm) *Internal dimensions shown unless otherwise stated*



PRODUCT CODE	DESCRIPTION	PRICE
507-1004C	A4 Format Int Size 310 x 225 x 15mm	£7.20
507-1003C	A3 Format Internal Size 435 x 320 x15mm	£8.10

## ➤ Solander Box

Solander box, archival quality, A3 and A2 sizes, handmade in the UK exclusively for PEL meeting the highest conservation standards. Not to be confused with cheaper, non-archival Solander boxes.



- Acid and lignin free interior forms archival quality enclosure
- Fully hinging lid with inner lipped base ensures a secure, dust and light free environment
- Robust and attractive black Buckram bookcloth exterior
- High quality brass fasteners and card/label holder (holder on spine of box)
- Constructed from heavyweight archival board



PRODUCT CODE	DESCRIPTION	PRICE
577-00A3	Solander Box A3 Size 435mm x 311mm x 58mm	£79.00
577-00A2	Solander Box A2 Size 610mm x 435mm x 58mm	£105.00

## ➤ Leather paper weights

Our leather paper weights are soft and malleable, ideal for paper relaxing, repairing and cleaning projects.

Crafted from soft black calf leather, the weights hold objects securely without adhering to the surface. Safely offering more friction than a glass weight. The flexible nature of the steel shot filling allows the weights to conform to irregular shapes. Can also be used to hold items in place for display and presentation purposes, such as maps, plans, deeds etc.



### Circular Leather Paperweight

- 110mm in diameter, 20mm in thickness. Approx 450g weight.

### Leather Snake Weight

- 500mm in length, approx 35mm wide. Approximate weight of 550g.

PRODUCT CODE	DESCRIPTION	PRICE
969-6000	Leather Snake Weight - 35mm x 500mm - 550g	£9.95
969-4200	Circular Leather Weight - 110mm - 400g	£8.95

Go online to see >>

We've cut prices on our: Crepe Erasers 682-2030  
NEW Dust Bunny Cloth 10 packs 947-1000/10

NEW Bespoke box express service  
from PEL >> www.boxsite.co.uk

MORE  
>>

## ➤ Paper pulp

**Cotton linters pulp** - Linters are pre-shredded and easy to use. Simply add water to cotton linter in a kitchen blender to hydrate. 8 oz. bag makes 50 medium casts (4" x 5" size). Archival and acid-free.

**Cotton rag pulp** - Pre-shredded and blender friendly. Made from 100% white cotton rag pulp. 8 oz.

**Abaca Pulp** - A popular fibre with traditional paper makers and studio artists. This natural color fiber comes from banana plant leaves grown in the Philippines. Pre-beaten and prepared for paper making, abaca pulp rehydrates in the kitchen blender



PRODUCT CODE	DESCRIPTION	PRICE
135-0215	Cotton Linters Pre-shred 8oz (227g)	£10.80
135-0229	Cotton 100% Rag Pulp White 8oz (227g)	£10.50
135-0219	Abaca Pulp 24"x32" (610 x 813mm) Sheet	£14.50

## ➤ Photographic Emulsion Cleaner - PEC 12

Non-water based film and print cleaner which removes virtually all non-water based stains from colour and B&W slides, negatives and prints. Removes grease pencil, adhesive residue, finger oils, ball-point pen, fungus, smoke & soot damage, laser separation oil and most permanent inks. Containing no water, PEC-12 dries instantly with no emulsion swelling and leaves no residue. PEC-12 is best used with PEC PADS ultra soft cleaning wipes. PEC PADS are extremely strong and lint-free. PEC\*PADS are so soft they can be safely used to clean all types of sensitive surfaces. When PEC PADS are used with PEC-12®, they are ideally suited for cleaning photographic film and print emulsions.



PRODUCT CODE	DESCRIPTION	PRICE
952-0002	PEC12 59ml Bottle	£12.35
952-0032	PEC12 946ml Refill	£99.50
952-0076	PEC Pads 100mm x 100mm Pkg 100	£13.36

## ➤ Light Meter with Thermal Radiation Sensor Lux/UV/Temp/Infrared

This single meter (684-775C & 684-775) measures:

### Thermal Radiation (IR)

The measurement of thermal radiation (shown as W/M<sup>2</sup>) allows the user to estimate how much solar heat is coming through windows, check the performance of heat reflecting films, measure the heating effect of lamps on objects etc.

### Ultraviolet (UV)

For many years it has been recognised that one of the major causes of damage to museum objects and other sensitive objects, soft furnishings etc is the fading and rotting effect of light on the object. The most damaging part of the illumination is its ultraviolet content. Using the 775, measurements can be taken of the proportion of UV present (µW/lumen), the total amount of UV (mW/M<sup>2</sup>)

### Visible Light

The amount of visible light is important, not only to check illumination in work areas, galleries etc but also to control damage to light sensitive objects that is also caused by normal light. Measurements can be displayed as Lux or Foot-candles.

### & Temperature

Data logging function (684-775C only):

The meter is also available with a data logging function (684-775C only). Enabling over 73,000 readings of all four parameters to be automatically taken at selectable intervals (every 10 seconds to 1 hour). The saved data can then be transferred to a computer by a standard USB interface. When logging data the 775 can be turned off to save power and the built in clock will turn the unit on whenever a reading needs to be taken, this enables a 775 to be left taking readings for months at a time. Software is provided to display the measurements as graphs or text. Data is saved in CSV format that can be accessed and displayed by many programs (e.g. Microsoft Excel).



PRODUCT CODE	DESCRIPTION	PRICE
684-775C	Universal Light Meter/Logger	£705.00
684-775	Universal Light Meter	£585.00

## ➤ Utility Storage Trolley

This utility storage trolley is made of high quality ABS plastic, with 3 pull-out drawers, compartmentalised worktop, two deep shelves and 3 smaller lipped shelves.



Ideal for storage of supplies particularly when working in the studio. Can be easily moved on it's casters meaning your tools and supplies can be with you, wherever you are.

The portable storage unit weighs only 12.85kg when empty, and can carry up to 30kg of tools and supplies. Standing at 735mm high, the trolley is a similar height to a standard desk or workstation.

- Dimensions - 735mm (H) x 430mm (D) x 420mm (W)
- Maximum Load - 30Kg
- Materials - White injection moulded ABS plastic with polypropylene casters

PRODUCT CODE	DESC	PRICE
949-0100	3 Drawer Unit	£269.00

## ➤ Milliput Epoxy Putty - Repairs and Modelling

Milliput epoxy putty is a two-part epoxy repair or modelling putty available in various grades to suit your project. Milliput is cold-setting, self hardening, and will even set under water. Can be moulded like putty and will not shrink as it dries, forming a durable repair or model which once fully cured can be machined, drilled, tapped, turned, filed, sawn, sandpapered and painted. All grades are heat resistant, easy to work with and are water and chemical resistant.

**Standard Milliput 673-7010** - General purpose grade - Yellow Grey in colour. Ideal for model making, sculpting, repairing chips to picture frames or furniture, repairs to natural history displays such as fossils and skeletons, repairs to metal objects.

**Superfine White Milliput 673-7014** - Superfine grade - White in colour. Ideal where a fine finish is required, fine repairs to ceramics, china, porcelain, ivory and natural history models, jewellery, model making, repairing chips to picture frames or furniture, even white plastics.

**Terracotta Milliput 673-7011** - General purpose - Terracotta in colour. Ideal for repairs to terracotta pots, tiles and brick, unfired clay objects and bare wood finishes.

**Black Milliput 673-7013** - General purpose - Black in colour. Ideal for repairs to cast iron, ebonised wood, basalt ceramics, slate, marble and even black plastic

**Silver Milliput 673-7012** - General purpose - Silver Grey in colour. Ideal for repairs to unpainted metal finishes, stone, model making, repairing chips to picture frames, ceramics.



PRODUCT CODE	DESCRIPTION	PRICE
673-7010	Milliput Standard 4oz / 113.4g	£1.99
673-7014	Milliput White Superfine 4oz / 113.4g	£3.80
673-7011	Milliput Terracotta 4oz / 113.4g	£2.50
673-7013	Milliput Black 4oz / 113.4g	£3.50
673-7012	Milliput Silver Grey 4oz / 113.4g	£3.20

All of these products are available to buy online today at; [www.pel.eu](http://www.pel.eu)

Please note, prices are correct at time of publishing, excludes VAT, please check our website prior to placing an order.



**We've been working on new product development, increasing our range, and boosting stock levels on the items you need and use every day.**

Our unique relationship with our overseas suppliers, combined with our in-house manufacturing facility, has enabled us to keep our prices as low as possible, and our dispatch times faster than our competitors. We continue to be a Dupont® appointed stockist for Tyvek, ensuring we can offer you the material, now used extensively by museums and galleries, at affordable prices and from stock.

In the last twelve months we have made thousands of deliveries; to both private and commercial customers, in over 30 countries around the world, in dispatches ranging from single items - through to shipping containers.

Please see our website for a list of events we are attending this year and to sign up for our email newsletter.

**A NOTE ON PRICES**

'Brexit' has substantially reduced the value of the British Pound, at the time of printing, to the lowest levels seen during PEL's 27 years in business. It is likely that 2017 will see continued volatility in currency exchange rates, this could mean that PEL may have to change prices from those listed here with no notice. To ensure you have the correct, up-to-date price, you can check easily online at our website; [www.pel.eu](http://www.pel.eu), or by contacting a member of our sales team.

**TERMS & CONDITIONS**

**Suitability For Use**

Every care is taken to maintain the highest standard of quality. Preservation Equipment Ltd wish to make it clearly understood that it is the users responsibility to ensure that the goods purchased are suitable for the intended purpose. No guarantee is given or implied that any product we supply is fit for any particular purpose. Our liability is strictly limited to the invoice value of the items concerned.

**Customer Accounts**

We will allow credit to most archives, museums, libraries, colleges, universities, and other public institutions. Private institutions and businesses are also invited to open accounts with appropriate credit references.

**Prices**

Prices are subject to revision without notice and are exclusive of V.A.T. Our sales office will confirm all current prices upon request, or check our website. Due to current global trading conditions, prices may change more regularly - please check when ordering.

**Payments**

Cash with order, except for recognised institutions and approved accounts. Payment must be in £Sterling with all bank charges paid. We do accept credit cards. Overseas payments to be made in £ Sterling with all bank charges paid, via direct transfer to: HSBC Bank, Howardsgate, Welwyn Garden City, Hertfordshire, AL8 6BH, England. Preservation Equipment Ltd. Account Number: 81285165. Sort Code: 40-46-08. IBAN: GB03MIDL40460881285165. VAT is chargeable to E.C. customers unless VAT number is supplied. No VAT is chargeable on exports outside of the European Community. PEL VAT No. GB 491 0421 69.

**Credit Cards**

We accept Visa and MasterCard.

**Product Coding System**

A coding reference number exists for all products. To avoid delay in order processing the product code number must be supplied.

**Shipment Claims**

Claims for damage caused in transit and incorrect deliveries must be in writing within 3 days of delivery to facilitate co-ordination with freight companies.

**Returned Goods**

No goods will be accepted for return without prior authorisation. When goods have been incorrectly ordered PEL cannot arrange collection and if returned a 20% handling charge will be made. No returned goods will be credited unless in perfect condition.

**Warranty**

The cost of returning goods is not covered by warranty. We supply products made by various manufacturers. The warranty of the product will be as the guarantee policy of the manufacturer.

**Ordering Procedures**

Online [www.pel.eu](http://www.pel.eu), post, telephone, fax or email to: Preservation Equipment Ltd, Vincos Rd, Diss, Norfolk. IP22 4HQ. Tel: 01379 647400/Overseas: +44 1379 647400. Fax: 01379 650582/Overseas: +44 1379 650582. [sales@preservationequipment.com](mailto:sales@preservationequipment.com)

**Carriage & Handling Charges**

Delivery is based upon delivery destination, the total order's weight, and its size. Standard delivery costs within the UK Mainland exclude the following, Scotland, Scottish Highlands & Isl., IOM, Channel Isl, IOW, Holy Isl. Deliveries are made Monday to Friday, excluding public holidays between 9am and 5pm. Regrettably we are not able to offer a Saturday delivery service. Orders will be sent in one dispatch. Delivery estimates can be attained via our website, or for a quotation, please call customer services.

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**A word about paper conservation**

**A Few Simple Steps**

The deterioration of paper is caused by many factors, perhaps the most significant of which are the kinds of materials and chemicals used in the paper making process. Wood pulp papers usually contain lignin and alum-rosin sizing which form damaging acids over a period of time. Under prolonged exposure to ultraviolet light and oxygen, paper fibres break down, causing discolouration and embrittlement. Additional damage may be caused by dust, dirt, mould, insects and rodents. You can institute sound basic conservation techniques by using some simple environmental controls and safe storage materials.

**Keep Away From Extremes**

Avoid excessive or fluctuating heat and humidity conditions. A cool, dark and dry storage area is ideal. A relative humidity of approximately 50% (see index for humidity measuring devices) with a temperature of 68° F (+/- 2.5 ) is desirable for most general collections. Normally, this would exclude most basements and attics. The area should be clean and free of insects and rodents. If natural light or fluorescent light is necessary, an ultraviolet filtering material should be used, (see these and our UV filtering fluorescent lamps in our Tools & Equipment section).

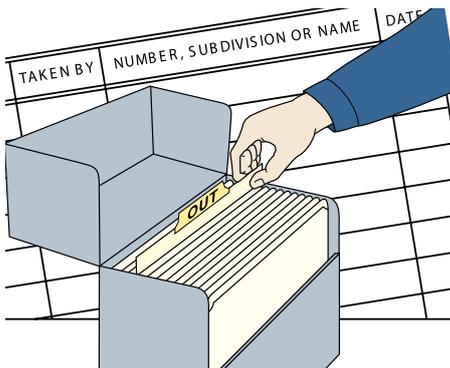
**Choose the Right Enclosures**

Choose proper storage containers for your documents, papers, books, maps, etc. A wide selection is available depending upon the type of material to be stored, and how often the material is used or accessed. Read through our catalogue to acquaint yourself with the many options available. All storage boxes, folders, etc. should be acid-free with an 8.5 pH where possible and have a 3% calcium carbonate buffer added. In addition, all materials should be free of groundwood and lignin when possible. The storage container must be designed to provide physical support and stability while protecting your materials from adverse chemical reactions. Boxes and folders should be comfortably filled, never stuffed. Each item must be supported, and metal staples and paper clips removed. Store only "like-sized" documents and papers together, and only in archival quality file folders, envelopes or archivally safe "see through" enclosures like our archival polyester pockets. These can then be stored in document cases or archival quality cartons. Avoid placing more than a dozen sheets together in one enclosure, and then use interleaving sheets between each item. Interleaving sheets reduce the risk of the acids from one individual document affecting the adjacent ones. In fact, the 3% calcium carbonate buffered sheets will resist acid absorption from adjacent material. Maps, newspapers, books, pamphlets and other oversized materials should be interleaved and stored flat in appropriate containers.

**Benefits of Metal Edge Boxes**

Our metal edged boxes are hand assembled to order at our manufacturing facility in South Norfolk, England. Renowned for their quality, our boxes are used and trusted in museums and archives worldwide. If you order a metal edge box from us, it is made for you, not sat on a shelf, not shipped in, not out-sourced. We do this to ensure that your box order meets our rigorous quality controls. Our boxes are in-stock, but do require hand assembly when ordered. We will always work with our customers to achieve deadlines, generally smaller orders are processed over the course of 2-3 days.

Constructed of high quality acid-free board, our metal edge boxes have no adhesives to dry-out and fail. The metal edge is crimped into the board forming a strong reliable edge which will last for decades in the correct environment. The metal edge provides a stacking strength that exceeds that of a standard glued box, meaning empty or partially filled boxes can safely be stacked under heavier loaded boxes. Some glues can, as they dry, off-gas. This means that the contents of a glued box could potentially be exposed to damaging acidity – even if the box itself is acid-free.



**File-Out Cards**

Archivally safe "File-Out" cards to mark your files when removing items for reference, exhibits or re-filing to other locations. Made of 450gsm acid-free, lignin-free folder stock and pre-printed in green with "File-Out" information spaces.

PRODUCT CODE	SIZE (MM)	WT	PRICE
727-9511	Letter 298 x 248	0.68kg	£20.65

**Read More on our blog:**

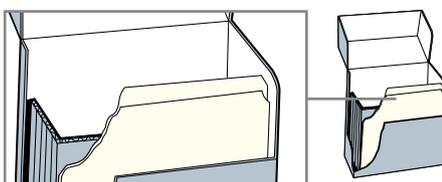
<http://www.preservationequipment.com/blog>

- Buffered vs Unbuffered
- Japanese Paper
- Pest Prevention
- PAT testing

Plus many more helpful guides and articles.

**Document Case Spacer Board**

A corrugated spacer board designed by the National Archives to keep file folders standing up straight when a document case is not full. This strong, lightweight corrugated blue-gray board is acid-free, lignin-free, and buffered with a 3% calcium carbonate buffer. Each board is 8" high x 21-1/4" wide with 5 score lines at each end of the board at one inch intervals to allow the board to be folded to fit either letter or legal size boxes. Price per package of 5 boards.



PRODUCT CODE	SIZE (MM)	WT	PRICE
613-0821	203 x 540	0.41kg	£11.37

note: 5 score lines 25mm



**PEL archival boxes are Acid & Lignin Free**



**Reinforced Document Cases**

PEL offers a choice of either; our standard buffered Document Case (blue-grey outside, white inside) buffered with approximately 3% calcium carbonate to retard the effects of migrant acidity, **or** our unbuffered solid tan board which is made completely of lignin-free cellulose fibres for both purity and strength. Both boards are acid-free with a pH of approximately 8.5.

The combination of our strong, durable 1.5mm thickness board and metal-edged construction make these boxes your best choice for lasting protection. Pull strings are included on the 5" deep boxes in both letter and legal size. Box sizes are inside dimensions. Price each.



**Buffered Blue/ Grey Document Cases**



**Unbuffered Tan Document Cases**

PRODUCT CODE	SIZE (W X H X D)	WT	PRICE
735-2210	12.25" x 10.25" x 2.5" (311 x 260 x 64mm)	364g	£5.22
735-2510	12.25" x 10.25" x 5" (311 x 260 x 127mm)	455g	£5.40
735-5210	15.25" x 10.25" x 2.5" (387 x 260 x 64mm)	455g	£5.48
735-5510	15.25" x 10.25" x 5" (387 x 260 x 127mm)	500g	£5.68
735-5512	15.50" x 12.50" x 5" (394 x 318 x 127mm)	955g	£7.95
801-2210	12.25" x 10.25" x 2.5" (311 x 260 x 64mm)	364g	£8.16
801-2510	12.25" x 10.25" x 5" (311 x 260 x 127mm)	500g	£7.20
801-5210	15.25" x 10.25" x 2.5" (387 x 260 x 64mm)	455g	£8.25
801-5510	15.25" x 10.25" x 5" (387 x 260 x 127mm)	909g	£7.85
801-5512	15.50" x 12.50" x 5" (394 x 318 x 127mm)	955g	£11.39

Drop Front Print Storage Boxes

PEL offers you a choice in Drop Front Storage Boxes. Great for prints, photos, music, pamphlets, and letters, these boxes will also accommodate our Perma/Dur® Envelopes. Our standard box is made of sturdy Perma/Dur® board with a blue-grey exterior and a white interior. We also offer a tan lignin-free box. This board is made of bleached fibres, with light-fast non-bleeding dyes. The absence of lignin in the board and the presence of calcium carbonate as a buffer produce a superior box. It is estimated that under proper storage conditions the lignin-free board remains durable and usable in excess of 500 years. Stackable for easy storage. Both boards are 1.5mm thick and metal-edged for stacking strength. Drop Front is on the long dimension of each box. **Price each.**



What is PAT Passed?



The Photo Activity Test (PAT) evaluates photo-storage and display materials and how they interact with photographic materials. This test can determine the archival quality of materials including, but not limited to, paper, boards, and plastics. The components of such materials are also tested. These may include inks, tapes, paints, and labels. Products showing 'PAT Passed' have been evaluated by the Image Permanence Institute as safe for storing photographic contents.



Buffered Blue/Grey Drop Front Boxes



PRODUCT CODE	SIZE (W X H X D)	WT	PRICE
733-8103	10.5" x 8.5" x 3" (267 x 216 x 76mm)	0.36kg	£5.17
733-9123	12.5" x 9.5" x 3" (318 x 241 x 76mm)	0.41kg	£5.50
733-1215	12" x 15.5" x 3" (305 x 394 x 76mm)	0.55kg	£6.29
733-1015	15" x 10.5" x 3" (381 x 267 x 76mm)	0.55kg	£7.49
733-1153	15" x 11.5" x 3" (381 x 292 x 76mm)	0.55kg	£6.83
733-1418	14.5" x 18.5" x 3" (368 x 470 x 76mm)	0.73kg	£10.17
733-0211	20.5" x 16.5" x 1.5" (521 x 419 x 38mm)	0.82kg	£10.69
733-1623	20.5" x 16.5" x 3" (521 x 419 x 76mm)	0.86kg	£11.42
733-0221	24.5" x 20.5" x 1.5" (622 x 521 x 38mm)	0.95kg	£11.76
733-2024	24.5" x 20.5" x 3" (622 x 521 x 76mm)	1.09kg	£12.78

Unbuffered Tan Drop Front Boxes



PRODUCT CODE	SIZE (W X H X D)	WT	PRICE
800-1153	15" x 11.5" x 3" (381 x 292 x 76mm)	0.55kg	£7.90
800-1418	14.5" x 18.5" x 3" (368 x 470 x 76mm)	0.73kg	£10.88
800-1623	20.5" x 16.5" x 3" (521 x 419 x 76mm)	0.82kg	£12.87

Newspaper Polyester L-Velopes

PEL offers polyester pockets to fit each newspaper storage box.



These pockets are sealed on two adjacent sides (known as L-Velopes) this allows easy access and removal of the newspaper for research. The 75 micron archival quality polyester contains no adhesives, is glass clear, acid-free, providing the best protection for newspapers. L-Velopes are ideal for items that are handled frequently, two adjacent sides open for ease of use. **Price for package of 25 L-Velopes.**

PRODUCT CODE	SIZE	FITS BOX	WT	PRICE
565-1522	370 x 550mm	732-1522	1.08kg	£37.50
565-1813	450 x 320mm	732-1813	0.75kg	£29.70
565-1925	470 x 625mm	732-1925	1.55kg	£49.50
565-2243	514 x 616mm	732-2243	1.64kg	£55.00
565-2331	575 x 775mm	732-2331	2.35kg	£72.00

Newspaper Storage Boxes



These large boxes store maps, prints, newspapers or any large size item which should be stored flat. Manufactured of acid-free, blue/grey, Perma/Dur® archival quality buffered board in 1.5mm thickness and lined with heavy, white, lignin-free bond for extra protection of contents. Metal-reinforced edges for greater strength. Completely telescoping top gives the stacking strength of two thicknesses. Boxes are available from stock in six standard sizes. *Special sizes for particular requirements can be made in minimum of 200 boxes, call us for details.* **Price each.**

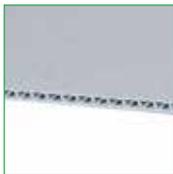
PRODUCT CODE	SIZE (W X L X H)	WT	PRICE
732-1522	15" x 22" x 2" (381 x 559 x 51mm)	0.82kg	£9.54
732-1503	15" x 22" x 3.5" (559 x 381 x 89mm)	1.00kg	£14.75
732-1813	18" x 13" x 3" (457 x 330 x 76mm)	0.86kg	£8.95
732-1925	19" x 25" x 2.5" (483 x 635 x 64mm)	1.09kg	£11.65
732-2243	20.5" x 24.5" x 3" (521 x 622 x 76mm)	1.23kg	£12.78
732-2331	23" x 31" x 3" (584 x 787 x 76mm)	1.41kg	£18.63

Ready to Assemble Document Cases (Blue/Grey Corrugated Design Cases)

Provide safe, long term protection for your documents, family records, books etc. These file boxes are constructed of our heavy-duty 600gsm corrugated board to protect your papers against dust, dirt, and damaging UV light. Double thick front and bottom panels provide additional strength. The acid-free, lignin-free material is buffered with 3% calcium carbonate for an alkaline reserve, protecting the stored materials from migrant acidity and atmospheric pollutants. Because these easy-to-assemble boxes are sent to you flat, you save money on expensive shipping.

Simply place your papers in one of our archival file folders (prevent crushing by placing no more than 12 items in each folder); mark the folder with indexing information, and place in the box. You can use our new Document Spacer Boards from page 4 to keep the folders upright until the box is full. Available in letter and legal sizes and packaged 5 boxes per carton.

Sturdy & easy to assemble  
Shipped flat to reduce shipping & storage costs



PRODUCT CODE	TYPE	DOCUMENT CASE SIZE (L X W X H)	WT	PRICE
613-1251	Letter	12.25" x 5" x 10.5" (311 x 127 x 260mm)	2.64kg	£62.36
613-1551	Legal	15.25" x 5" x 10.5" (387 x 127 x 260mm)	3.14kg	£69.55

Folio Box **NEW** product

Folio Box with sturdy metal edge construction for long term storage of prints and paper. Archival quality folio boxes with avant-garde appeal. Constructed with a clamshell design and feature a "thumb-cut" for ease of access. Metal-edge construction adds strength and longevity which allows boxes to be stacked without risk of crushing. Boxes come in traditional Black and Grey archival boxboard to provide economical archival storage.



PRODUCT CODE	SIZE (W X L X H)	PRICE
717-1912	Black 318 x 241 x 45mm - Internal Size 9.5" x 12.5" x 1.75"	£5.95
717-2912	Grey 318 x 241 x 45mm - Internal Size 9.5" x 12.5" x 1.75"	£5.30
717-1114	Black 368 x 292 x 45mm - Internal Size 11.5" x 14.5" x 1.75"	£6.25
717-2114	Grey 368 x 292 x 45mm - Internal Size 11.5" x 14.5" x 1.75"	£5.50
717-2319	Grey 495 x 343 x 45mm - Internal Size 13.5" x 19.5" x 1.75"	£7.72
717-1620	Black 520 x 419 x 45mm - Internal Size 16.5" x 20.5" x 1.75"	£9.50



Clamshell Storage Box

Protect your magazines and pamphlets from damage. Store them flat in these clamshell storage boxes.

One piece box with hinged lid design affords easy access. Metal edges give these boxes extra stacking strength and our 1.5mm blue/grey boxboard is lined with white lignin-free paper and buffered with 3% calcium carbonate for an alkaline reserve to protect the paper against migrant acidity and atmospheric sulphur. Price each.



PRODUCT CODE	SIZE (W X L X H)	WT	PRICE
735-0806	8.63" x 6.25" x 3" (219 x 159 x 76mm)	0.19kg	£4.95
735-0906	9.25" x 6.5" x 2.5" (235 x 165 x 64mm)	0.20kg	£5.95
735-1293	12.25" x 9" x 3" (311 x 229 x 76mm)	0.27kg	£4.85
735-5103	15.25" x 10.25" x 3" (387 x 260 x 76mm)	0.50kg	£5.40
735-1713	17.25" x 11.5" x 3.25" (438 x 292 x 83mm)	0.45kg	£7.25

Archival Bulk Storage Boxes

Our Perma/Dur® bulk storage boxes provide the very best protection available when storing albums, boxes, and photographs in envelopes, folders, etc.

Available in our standard 15”L x 12”W x 10”H, and a compact 15”L x 6”W x 10”H model for smaller storage requirements. Both are made of acid-free and lignin-free, virgin bleached fibres which have been buffered to protect against atmospheric pollutants and neutralise migrant acidity. Constructed with double side walls and bottoms to provide extra stacking strength in pleasing smooth, soil resistant Blue/Grey colour. Ship flat; assemble easily. **Price Pack 5 & 25.**

Standard Size

PRODUCT CODE	SIZE (MM)	WT	PRICE
613-0775	381x305x254	4.5kg	£58.20 5pk
613-0725	381x305x254	22kg	£261.66 25pk

Compact Size

613-1565	381x305x254	1.8kg	£45.55 5pk
613-2515	381x305x254	9kg	£199.81 25pk



Archival Storage Cartons

An acid-free corrugated storage box that is excellent for transfer storage or long term storage of archival materials. The 600gsm corrugated board assures durability as well as performance. Double thick bottom panels provide exceptional strength.

These tan kraft 12”W x 15”L x 10”H and 6”W x 15”L x 10”H cartons are designed to accommodate either letter or legal size folders.

The cartons are shipped flat ready to assemble. Price Pack 5 & 25.



PRODUCT CODE	SIZE (MM)	WT	PRICE
540-0775	305 x 381 x 254	4.5kg	£49.45 5pk
540-1565	152 x 381 x 254	2kg	£51.30 5pk
540-0725	305 x 381 x 254	22kg	£143.00 25pk
540-1525	152 x 381 x 254	9kg	£133.00 25pk

Corrugated Polypropylene Archival Box

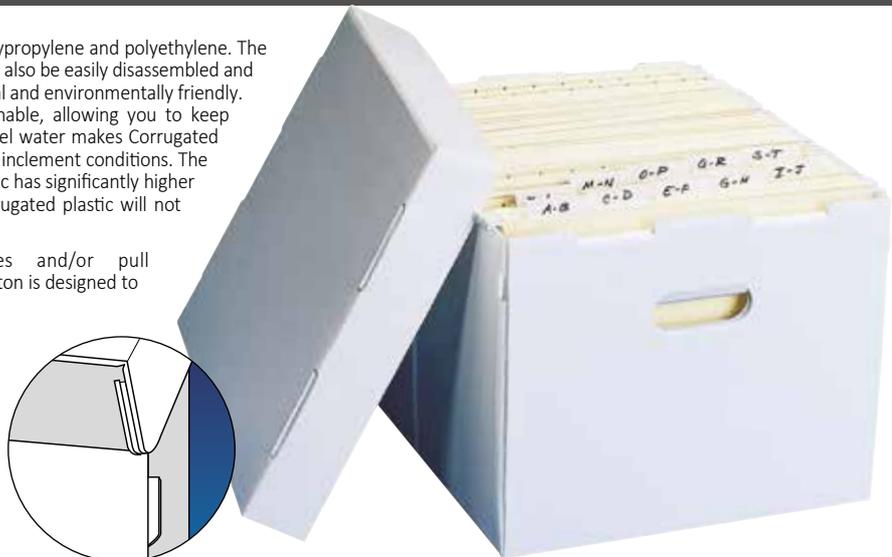
Corrugated Plastic is a rigid heat resistant, chemically stable copolymer of polypropylene and polyethylene. The storage boxes are shipped flat, and snap together using no adhesives. They can also be easily disassembled and stored flat, a property that creates a reusable container that is both economical and environmentally friendly. Because the material is water repellent, Corrugated Boxes boxes are washable, allowing you to keep them clean, attractive, and free of damaging dirt and dust. The ability to repel water makes Corrugated Plastic boxes ideal containers for storage and transportation of objects during inclement conditions. The sturdiness of the boxes is unmatched. Tests have shown that corrugated plastic has significantly higher burst, puncture edge and flat crush properties than B flute fibreboard. Corrugated plastic will not burst on the Mullen Tester.

Boxes are available in white with built-in carrying handles and/or pull tabs and a unique design that helps to keep out dirt and dust. The storage carton is designed to fit our storage racks. Corrugated plastic is also available separately in both white and translucent sheets.

Price each.

The cartons are shipped flat ready to assemble. Price Each.

PRODUCT CODE	SIZE	WT	PRICE
225-0771	15” x 12” x 10” (381 x 305 x 244mm)	545g	£7.65



**Archival Clamshell Boxes**

These acid-free boxes are of a high conservation standard with a clean attractive appearance. The boxes are shipped flat taking up the minimum of storage space. Once ready to assemble, they have easy to use self-locking tabs with a high quality finish.

- Made from 100% cellulose, contains no wood particles
- The pH is between 8 and 9.5
- Neutral adhesive is used
- 4% calcium carbonate buffer is added for further protection
- The qualities are in line with the technical standards of DIN ISO 9706, ANSI/MISO Z3948-1992, ONORM A1119, and are therefore guaranteed to be age resistant according to current knowledge

Clamshell one piece archival box with hinged lid to allow easy access to the contents. Price each.

PRODUCT CODE	SIZE (MM)	PRICE
735-2216	220mm x 160mm x 40mm	£3.25
735-3021	302mm x 215mm x 75mm	£4.70
735-3826	382mm x 266mm x 94mm	£6.95
735-4433	440mm x 330mm x 70mm	£6.40



**E-Flute Blue/Grey Flat Storage Boxes**

Consider lightweight E-Flute acid-free, lignin free corrugated blue/grey board. Each contains a 3% calcium carbonate buffer.

Available in three convenient sizes. Price each.



THICKNESS	CaCO <sub>3</sub> BUFFER	COLOUR	DESIGN	LIGNEN-FREE
1/16"	Yes	Blue/Grey	Short Lid	Yes

PRODUCT CODE	SIZE (L X W X H)	SIZE (MM)	WEIGHT	PRICE
612-0034	12" x 10.25" x 5"	304 x 260	1270.3kg	£17.95
612-0036	17.25" x 11" x 5"	438 x 279	1270.5kg	£20.24
612-0038	20" x 16" x 5"	508 x 406	1271.14kg	£24.26

**B-Flute Blue/Grey Flat Storage Boxes**

The standard for protection. Our B-Flute acid-free corrugated boxes offer durability with no sacrifice in archival quality.

Available in three convenient sizes. Price each.



THICKNESS	CaCO <sub>3</sub> BUFFER	COLOUR	DESIGN	LIGNEN-FREE
1/8"	Yes	Blue/Grey	Short Lid	Yes

PRODUCT CODE	SIZE (L X W X H)	SIZE (MM)	WEIGHT	PRICE
613-3400	12" x 10.25" x 5"	304 x 260	1270.4kg	£16.95
613-3600	17.25" x 11" x 5"	438 x 279	1270.6kg	£18.30
613-3800	20" x 16" x 5"	508 x 406	1270.8kg	£19.95

**Kraft Flat Storage Boxes**

Made from our cost efficient acid-free tan corrugated. These boxes ship flat and snap together in seconds without tools, tapes, or adhesives.

Available in three convenient sizes. Price each.



THICKNESS	CaCO <sub>3</sub> BUFFER	COLOUR	DESIGN	LIGNEN-FREE
1/8"	No	Tan	Short Lid	No

PRODUCT CODE	SIZE (L X W X H)	SIZE (MM)	WEIGHT	PRICE
540-0034	12" x 10.25" x 5"	304 x 260	1270.4kg	£8.89
540-0036	17.25" x 11" x 5"	438 x 279	1270.6kg	£9.89
540-0038	20" x 16" x 5"	508 x 406	1270.8kg	£12.45

**Flat Storage Boxes**

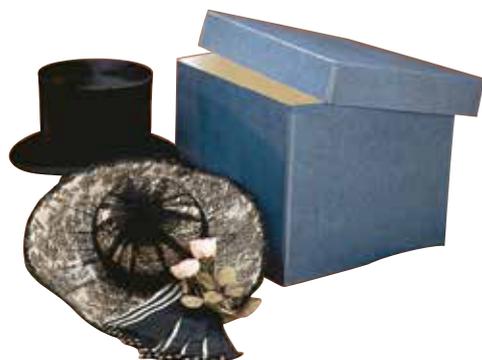
Heavy duty flat storage boxes can serve a variety of storage needs. Manufactured from either economical acid-free, tan corrugated board or our highest quality acid-free, lignin-free, blue/grey corrugated board with a 3% calcium carbonate buffer added. Provide convenient, acid-free storage for manuscripts, scrapbooks, files, periodicals or any items requiring a strong, durable box. Shipped flat, these boxes will snap together in seconds without tools, tape or adhesives.



Archival Hat Box

The difficult task of finding suitable archival storage boxes for vintage hat collections is solved. Our hat boxes are made from 1300gsm, blue/grey unbuffered board with rust proof metal edges for superior support. Each box is 343mm square x 318mm deep with a telescoping cover which extends 64mm down.

Price each.



PRODUCT CODE	SIZE (MM)	WT	PRICE
736-5000	343 x 318 x 343	0.9kg	£15.78

You may also need

- Garment Covers Page 58
- Humidity Control Page 166-169
- Insect traps Page 122
- Tissue Paper Page 67
- Display figures Page 184-187

Labelling Tape

Record catalogue numbers of your textile collection with permanent, washable ink on this 100% cotton tape and then stitch inside your artefact. Tape accepts ink well and is perfect for use with our Pigma Pens (see page 36). White woven twill fabric is 1" wide and comes on a 72 yard roll.

Priced per roll.



PRODUCT CODE	SIZE (MM)	WT	PRICE
586-0172	25mm x 66m	0.5kg	£20.40

Corrugated Textile Storage Boxes

Manufactured from sturdy, acid-free, lignin-free blue/grey corrugated board, these new Textile Storage Boxes contain a 3% calcium carbonate buffer for additional protection of costumes, period clothing, and other fabric items created from cellulosic materials. If storing proteinaceous fabrics, you should first wrap with an unbuffered interleaving tissue. Each of the two available sizes has a self locking design, half lid, and ships flat to save space and reduce shipping costs. The generous 6" height allows you to keep fabrics loosely folded.

Price per carton of 5 boxes.

PRODUCT CODE	SIZE (L X W X H)	WT	PRICE
613-3018	30" x 18" x 6" (762 x 457 x 152mm)	7.27kg	£135.53
613-4018	40" x 18" x 6" (1016 x 457 x 152mm)	9.55kg	£155.55

Unbuffered Large Textile Boxes



Sturdy, durable storage containers are excellent for textiles, costumes, and other materials. Unbuffered, blue/grey exterior and white lignin-free bond interior for complete protection. Reinforced metal edges combine with 1300gsm. boxboard to create a quality stackable box.

PRODUCT CODE	SIZE (L X W X H)	WT	PRICE
736-0775	30" x 18" x 6" (762 x 457 x 152mm)	1.64kg	£18.90
736-3024	30" x 24" x 5" (762 x 610 x 127mm)	2.41kg	£19.50
736-4018	40" x 18" x 6" (1016 x 457 x 152mm)	2.77kg	£22.85
736-6018	60" x 18" x 5" (1524 x 457 x 127mm)	3.36kg	£28.59
735-4118B	41" x 18" x 10" (1041 x 457 x 254mm)	4.27kg	£30.72

Archival Shoe Box

The PEL shoe box is acid-free and buffered with 3% calcium carbonate to resist acid absorption from the atmosphere and adjacent materials. The metal edge removes the need for adhesives which may dry out or off gas. Boxes can be stacked due to the strength of the metal edge.

The generous size makes the box suitable for men's and ladies shoes and similar artefacts. We recommend using acid-free tissue to fill voids with smaller shoes and other items.



PRODUCT CODE	SIZE (MM)	WT	PRICE
735-1555	394 x 216 x 127mm	364g	£6.72



**Hinged Lid Pamphlet Box**

Store your pamphlets and magazines in these sturdy pamphlet boxes to protect them from damaging dust and light. Made of heavy 1.5mm buffered blue-grey board with metal reinforced edges for added strength. **Price each.**



PRODUCT CODE	SIZE LxWxH	WT	PRICE
735-5710	5" x 7" x 10" (127 x 178 x 254mm)	0.41kg	£5.65

**Economical Acid-Free Shelf Files**

Our economically priced shelf files are made of extra strong, acid-free 600gsm test corrugated board. These long lasting kraft coloured files provide an inexpensive method of storing and organising magazines, pamphlets, manuals, etc. Large pressure sensitive labels are supplied with each package. **Price per package of 12.**

- 540-0950** size: 9-1/2"H x 4"W x 9"D, for storing digests, pamphlets, small manuals, brochures, etc.
- 540-1275** size: 12-3/4"H x 4"W x 10-3/4"D, for storing popular size magazines, letter size files and papers, folders, large pamphlets, and envelopes.



PRODUCT CODE	SIZE	WT	PRICE
540-0950	241 x 102 x 229 (9.5" x 4" x 9")	1.82kg	£31.10
540-1275	324 x 102 x 273 (12.75" x 4" x 10.75")	2.45kg	£35.62

**Perma/Dur® Pamphlet Files**

Our exclusive Perma/Dur® Pamphlet Files are set up and ready to use with no folding or bending. Made of 1300gsm Blue-Gray Perma/Dur® board, they are assembled with durable metal edges to withstand heavy use. For A4 size we recommend 735-1210 or 735-1263. **Price each.**

PRODUCT CODE	SIZE" (H x L x W)	SIZE (MM)	HEIGHT OF FRONT	WT	PRICE
735-9630	9" x 6" x 3"	229 x 152 x 76	114mm	136g	£4.39
735-9830	9" x 8" x 3"	229 x 204 x 76	114mm	136g	£4.22
735-1103	11" x 10" x 3.5"	279 x 254 x 89	89mm	182g	£3.69
735-1263	12" x 10" x 6.3"	304 x 254 x 160	160mm	210g	£4.95



**Perma/Dur Telescoping Storage Boxes**

These acid-free Perma/Dur® telescoping boxes offer excellent storage for a wide range of small objects. Reinforced edges and basic strength permits boxes to be stacked. 1524 micron Perma/Dur® board buffered for an alkaline reserve with blue-grey exterior and white lignin-free bond interior. **Price each.**

PRODUCT CODE	SIZE H x W x L	WT	PRICE
736-1264	4.125" x 6.125" x 12" (105 x 156 x 305mm)	0.41kg	£6.09
736-1285	5.125" x 8.125" x 12" (130 x 206 x 305mm)	0.50kg	£6.50



Heavy Duty Roll Storage Tubes

Acid-free and lignin-free tubes made of our strong, bleached, non-bleeding blue grey fibre stock. This represents an improved product over tubes with inner cores of kraft and other soft or weak fibres. Large Diameter Tubes have a 6" inside diameter for special storage requirements.

You can either wrap larger items around a single tube for storage or wind smaller items onto our 3" diameter tubes and nest these inside the 6" tube.



Inside diameter 3" - Price per carton of 10 tubes

PRODUCT CODE	WALL THICKNESS	INSIDE DIAMETER	LENGTH	WT	PRICE
017-3161	5mm	76mm	(3ft) 0.92m	9.55kg	£104.50
017-3162	5mm	76mm	(4ft) 1.22m	12.73kg	£127.50
017-3163	5mm	76mm	(6ft) 1.83m	20.00kg	£189.20
777-1000	Tube End Caps 76mm (3")			Pkg 20	£7.10

Inside diameter 6" - Price per carton of 6 tubes

PRODUCT CODE	WALL THICKNESS	INSIDE DIAMETER	LENGTH	WT	PRICE
017-6003	10mm	152mm	(3ft) 0.92m	4.10kg	£57.25
017-6004	10mm	152mm	(4ft) 1.22m	5.00kg	£70.45
017-6006	10mm	152mm	(6ft) 1.83m	6.82kg	£97.75
777-1001	Tube End Caps 152mm (6")			Pkg 2	£3.75

Corrugated Roll Storage Box

The design of these Roll Storage Boxes allows you to place maps, blue prints, charts, textiles, and other large format items in roll form easily inside without the risk of damage that end-opening boxes can cause.

These acid-free, sturdy, blue corrugated boxes are buffered with 3% calcium carbonate and open on long top dimension to allow ease of placement and removal of items.

The generous 6" x 6" x 43" length can accommodate a large variety of products. Available in single units or in cartons of six.



Wt. per box: 682g

PRODUCT CODE	SIZE (MM)	PRICE
613-66431	152 x 152 x 1092	£29.89 single
613-66436	152 x 152 x 1092	£125.34 pk of 6

Perma/Dur® Roll Storage Boxes

Roll Storage Boxes for acid-free storage of rolled items. Excellent for blueprints and maps. Made of 60-point grey buffered Perma/Dur® board, with white lignin-free bond interior. Fastened with metal edges for stacking strength and vermin resistance. The box is 4" square by 30" long. **Sold in multiples of 6.**



PRODUCT CODE	SIZE (MM)	PRICE
777-4430	102 x 102 x 762mm	£106.50

Expandable Tube Storage System

Durable, lightweight, grey polypropylene tubing safeguards maps, prints, charts, and textiles. Three part construction, end cap, base tube and middle section (spacer). The tube can be lengthened with additional 12" spacers to the required length simply adding a middle section spacer and screw on the end cap. The tubes provide a tight, water resistant, ultra violet light proof and dust free protection. Tubes come with end cap 26.625" (676mm) in length, middle section/spacer are 12" (305mm) long.

Price each.

PRODUCT CODE	SIZE	WT	PRICE
428-2012	89mm x 676mm	364g	£10.85
Base tube & end cap			
428-0812	89mm x 305mm	364g	£5.30
Middle section/spacer			



➤ Roll Storage Box



These acid-free boxes are of a high conservation standard with a clean attractive appearance. The boxes are shipped flat and take up the minimum of storage space. Once ready to assemble they have easy to use self-locking tabs with a high quality professional finish. The material is identical to the clamshell boxes shown on page 8 and match the same design. The full depth two piece separate lid gives strong dust free storage for various rolled items. In the picture we have shown tape being used, which is sold separately, this is to enable heavy rolls to be lifted out of the box without damage.

PRODUCT CODE	SIZE	PRICE
735-1059	1059 x 102 x 102mm (41.7" x 4" x 4")	£11.45
735-7620	762 x 102 x 102mm (30" x 4" x 4")	£9.85

➤ Map & Banner Bags

A range of protective stitched calico bags with cotton tape pull strings. These soft breathable bags are used to protect rolled title maps, plans and banners. Can be washed but should not be tumble dried.

**Width: 9.5" (241mm). Diameter approx 155mm.**



Special sizes can be made to order, minimum order quantities apply.

PRODUCT CODE	SIZE	PRICE
428-0036	36" (914mm)	£5.85
428-0042	42" (1067mm)	£5.95
428-0048	48" (1219mm)	£6.86
428-0062	62" (1575mm)	£6.75
428-0072	72" (1829mm)	£6.95
428-0084	84" (2134mm)	£7.25
428-0096	96" (2438mm)	£10.95

➤ Triangular Roll Storage

Moisture resistant coated B-Flute corrugated storage boxes. The boxes are manufactured from acid-free, lignin-free corrugated board that is buffered for a pH of approximately 8.5. These boxes ship and store flat so you can save money on space. Their triangular shape prevents them from rolling off the shelf.

**Price each.**



PRODUCT CODE	SIZE (L x W x H MM)	WT	PRICE
156-5245	127 x 127 x 619	500g	£9.85
156-6386	152 x 152 x 965	600g	£11.86
156-6496	127 x 127 x 1244	770g	£14.99

➤ Tyvek Map & Banner Sleeves

Tyvek is already used in a number of conservation storage methods especially textiles and paper. This protective material has high tensile/tear strength in all directions because its constituent fibres are spun-bonded. The relatively slick surface is a further barrier and prevents fragile maps snagging. Most professional conservators are well aware of the benefits of Tyvek. Available in two widths in 25 metre rolls, simply cut the sleeve to the length you require. The open ends can be sealed in our Crossweld sealing machine, stitched or tied with our cotton tape.



PRODUCT CODE	SIZE	DIA.	PRICE
428-1200	120mm x 25m	76mm   3"	£31.75
428-2400	240mm x 25m	152mm   6"	£44.50

➤ **Museum Portfolio Boxes**

Provide extra protection with our range of archival polyester pockets. See pages 51-53



**Handmade in the UK for long term archival storage of sensitive material.**

Ideal for photographic collections and available in most sizes. PEL supplies archival polyester pockets and sleeves to fit inside these Portfolio Boxes. The boxes are covered in black library Buckram cloth with white acid-free paper lining. Other companies offer Museum Portfolio Boxes to order, PEL keeps high stock levels offering the best price because of the quantity produced.



PRODUCT CODE	SIZE	FORMAT	PRICE
507-1008	263 x 212 x 38mm	10" x 8"	£24.00
507-0004	311 x 223 x 38mm	A4	£25.00
507-1295	314 x 251 x 57mm	12" x 9.5"	£28.00
507-0003	435 x 311 x 66mm	A3	£35.00
507-1612	416 x 314 x 63mm	16" x 12"	£35.00
507-2016	517 x 416 x 63mm	20" x 16"	£46.00
507-2420	619 x 517 x 76mm	24" x 20"	£84.00
507-0002	610 x 435 x 76mm	A2	£70.00

➤ **Archival Collector's Box**

**The collector's box is made with the serious collector in mind.**

The acid free box is handmade in the UK to the highest conservation standards as you would expect from PEL.

- Covered in black high quality non-woven material
- Interleaved with premium silk tissue paper held in place with soft white archival conservation board
- Buffered with 3% calcium carbonate for an alkaline reserve, protecting the stored material from migrant acidity and atmospheric pollutants.

PRODUCT CODE	SIZE	PRICE
507-70A4	310 x 225 x 30mm	£9.95

➤ **Solander Style Case**

**NEW** product

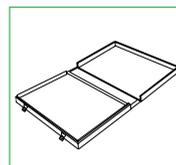
**Hand-made in the UK exclusively for PEL, our Solander style cases are a superior quality enclosure meeting the highest conservation standards.**

Elegant, fully-hinging lid, seals securely to the lipped base for protection against airborne pollutants.

Acid and Lignin-free interior ensure the box contents are fully protected. Sturdy latches retain the lid in the closed position.

*Product launch date expected January 2017 - Please view our website to buy or for more details.*

PRODUCT CODE	SIZE	PRICE
Go to: <a href="http://www.pel.eu">www.pel.eu</a>		



➤ **Lipped Clamshell Presentation Boxes**

These attractive black book cloth covered boxes are specially manufactured for PEL.

The book cloth is durable, washable and entirely suited to this product.

The boxes are ideal for special collections and are archival quality. 60mm deep to store mounted or unmounted prints.

Lipped clamshell boxes have a book like luxurious appearance and are competitively priced for such quality, making them affordable for most collections.

PRODUCT CODE	SIZE (HOLDS)	WT	PRICE
614-0013	13" x 11.4" x 2.36" (330 x 290 x 60mm)	1kg	£29.40



Our selection of multi-hole binder pages

See pages 43-44



➤ **PEL Four Ring Binder**

This archival quality, BoxBinder is manufactured using heavy duty, acid-free Board. The outer layer is covered with an elegant, yet durable, high grade bookcloth to help repel dust, dirt and fingerprints. The interior is lined with black, acid-free, paper. Four 38mm D Rings are incorporated to secure archival 4-hole polyester pocket pages. The standard 4 rings can be used for most 4 hole punched pages. Internal dimensions: 330mmH x 287mmW x 60mmD. **Price Each.**

PRODUCT CODE	SIZE	PRICE
507-PBP1	330mm x 287mm x 60mm	£31.95

Postcard Storage Box

Strong Perma/Dur® board for durability and lasting archival storage. Blue/grey outside and white inside, buffered to prevent acid migration. These acid-free archival boxes are just one of our range of archival boxes used by museums worldwide.



PRODUCT CODE	INTERNAL SIZE: L X W X H	PRICE
780-4618	8" x 6.125" x 4.5" (204 x 156 x 114mm)	£5.75 ea.
780-4612	12" x 6.125" x 4.5" (305 x 156 x 114mm)	£6.95 ea.

Drop Front Print Storage Boxes - Tan

Museum quality boxes provide safe archival storage of photographs and prints.

These durable boxes protect your valuable items from atmospheric contaminants, pollution, dust, and dirt, and help moderate changes in humidity and temperature. Ideal storage for prints, music sheets, pamphlets and more. Available in solid tan 1000gsm. Acid-free and lignin-free unbuffered board. The boxes have a fully telescoping lid, a drop front for easy access and a reinforced metal edge for added strength and stack-ability. An excellent choice when storing prints on a shelf.



Note: we suggest unmounted photos and prints be placed in envelopes or interleaved with unbuffered tissue before placement in the box.  
**Price each.**

Lignin-Free Unbuffered Tan 40pt (1000gsm)

PRODUCT CODE	SIZE (W X D X H)	WT (KG)	PRICE
799-1081	10.5" x 8.5" x 1.5" (267 x 216 x 38mm)	0.273	£7.50
799-1511	15.5" x 11.5" x 1.5" (394 x 292 x 38mm)	0.455	£8.95
799-1841	18.5" x 14.5" x 1.5" (470 x 368 x 38mm)	0.364	£10.95

Drop Front Print Storage Boxes - Matt Black

Our acid-free, drop front, storage boxes have an elegant, matt black exterior preferred by artists and photographers.

The interior is white and buffered with 3% calcium carbonate for additional protection from airborne pollutants.

These boxes are manufactured with heavyweight board and feature black, metal edge corners to provide sturdiness. A full telescoping lid provides protection while the drop front allows easy access.

Price each.



Drop front along one long side.

PRODUCT CODE	HOLDS	ACTUAL SIZE	PRICE
733-2008	8" x 10"	266 x 216 x 76mm	£5.85
733-2009	9" x 12"	317 x 241 x 76mm	£6.34
733-2011	11" x 14"	292 x 381 x 76mm	£7.58
733-2014	14" x 18"	368 x 467 x 76mm	£10.37
733-2015	14.75" x 10"	380 x 266 x 76mm	£9.74
733-2016	16" x 20"	419 x 520 x 76mm	£14.65
733-2022	22" x 30"	584 x 787 x 76mm	£19.89

Print/Negative Storage Kits

These kits are designed to provide an inexpensive archivally safe method to store, index and preserve your negatives and prints. Protects them from dust, dirt and handling while providing an acid-free, lignin-free professional environment.

**Storage Kit includes:** 100 (50 micron) Mylar® sleeve protectors; 100 Perma/Dur® thumb cut envelopes; 100 (25 x 50mm) foil back acid-free white labels to index envelopes and one 127mm deep tan, acid-free, lignin-free storage box made of sturdy, unbuffered 100gsm board with reinforced metal edges. **Price each.**



PRODUCT CODE	NEG/PRINT SIZE	PRICE
778-2000	102 x 127mm	£49.60
778-3000	127 x 178mm	£64.93
778-4000	203 x 254mm	£98.52

➤ **Infinity Archival Photo Filing Kits - Metal Edge**

Our best acid-free and lignin-free Infinity Archival Photo Files™ meet museum standards for safe photographic storage.

- Files contain calcium carbonate to absorb migrant acidity from the atmosphere or from handling
- Included are 25 acid-free envelopes
- Index card
- Polypropylene negative sleeves and a label
- Manufactured from a 1300gsm thick black archival board
- Reinforced with stylish metal edges for superior stacking strength
- Generous size holds up to 1,000 3.5 x 5, 4 x 6, or 5 x 7 photos and negatives



PRODUCT CODE		SIZE	PRICE
462-5059	<b>Complete Kit</b>	7.87" x 10.87" x 5.3" high (200 x 276 x 135mm)	£16.25
670-4757	<b>Extra Envelopes x25</b>	4" x 6" (102 x 152mm)	£5.20
462-5000	<b>Box only</b>		£8.50

**Glassine and Perma Dur Envelopes** See page 48

➤ **Print/Negative Storage Kits**

Each kit contains enough fine archival quality materials to help you organise and store hundreds of 35mm negatives in 6-frame strips. Clear sleeves of 3-mil polypropylene protect your negatives from dust, dirt and fingerprints while paper sleeves provide extra protection and a means to record indexing information.

**Complete Kit includes:** Unbuffered, 1000gsm. lignin-free, hinged lid file box; 50 clear polypropylene negative strips that open wide for easy insertion of negative strips and then seal with a fold-over top; 50 paper sleeves of 225gsm, unbuffered paper and a foil-backed label for identifying contents of box.

**Box dimensions:** 264 x 149 x 114mm H, (internal dimensions.)



PRODUCT CODE	ITEM	PRICE
799-1056	Complete Kit	£36.96
487-1490	50 x Polypropylene Strips	£13.45
313-1043	50 x Paper Sleeves	£17.70
799-5610	Box Only	£4.90

➤ **Infinity Archival Photo Filing Kits - Buckram Exterior**

The PEL Archival Photo Files meet museum standards for safe photographic storage. Hand made in the UK to the PEL design and conservation standard for archival storage.

**Included;** 25 acid free envelopes, an index, polypropylene negative sleeves and a label. PEL Archival Photo Files are covered with attractive buckram cloth, in black, blue or burgundy. The generous size 195mm wide x 270mm long x 135mm high holds up to 1,000 3.5 x 5, 4 x 6 or 5 x 7 photographs or negatives. Extra envelopes are available to order.

PRODUCT CODE		SIZE	PRICE
462-3030	<b>Black</b>	195mm wide x 270mm long x 135mm high	£29.95
462-3070	<b>Blue</b>	195mm wide x 270mm long x 135mm high	£29.95
462-3090	<b>Burgundy</b>	195mm wide x 270mm long x 135mm high	£29.95
670-4757	<b>Extra Envelopes x25</b>	4" x 6" (102 x 152mm)	£5.20



➤ 'Drop Side' Negative/Print Storage Boxes

Negative/print storage boxes designed with a "drop-side" allowing easy access to negatives or prints which are stored flat.

Each box is large enough to accommodate negatives or prints in a variety of envelopes. If you are storing prints without an envelope, we recommend interleaving with our photographic silversafe interleaving sheets.

Made of our 1000gsm unbuffered, tan lignin-free, and acid-free, board with metal reinforced edges for extra strength and stack-ability. Boxes present an excellent method for storing your negatives, glass plates and prints on standard size shelving. **Price each.**



PRODUCT CODE	SIZE (L X W X H)	WT	PRICE
799-7251	7.25" x 5.25" x 2.06" (184 x 133 x 52mm)	1kg	£3.62
799-8104	10.75" x 8.75" x 4.5" (273 x 222 x 114mm)	0.41kg	£9.88

➤ 'Clamshell Lid' Negative/Print Storage Boxes

Store negatives and prints in a minimal amount of space in drawers or on shelves, with these sturdy museum quality clamshell boxes. They will help protect your negative and print collection from the atmospheric contaminants of pollution, dust, and dirt and also help moderate changes in temperature and humidity.

Boxes are made of our solid 1000gsm tan lignin-free and acid-free unbuffered board and have metal reinforced edges for added strength. We recommend placing your negatives or prints into an acid free envelope before placing in the box. This provides protection from handling and prevents chemical reactions between unprotected items. Pre-made kits are available. **Price each.**



PRODUCT CODE	SIZE (L X W X H)	WT	PRICE
799-0455	5.75" x 5" x 4.75" (146 x 127 x 121mm)	0.09kg	£6.99
799-6343	6.75" x 5" x 4.75" (172 x 127 x 121mm)	0.09kg	£4.32
799-0575	7.75" x 5" x 5.75" (197 x 127 x 146mm)	0.14kg	£5.53
799-0815	10.75" x 5" x 8.75" (273 x 127 x 222mm)	0.18kg	£8.25

➤ 'Short Lid' Negative/Print Envelope Boxes

Short lid archivally safe boxes made specifically for the bulk storage of negatives and prints.

Manufactured of the same museum quality lignin-free and acid-free unbuffered 1000gsm tan board as our clamshell negative/print boxes. These boxes are 305mm long and have a 38mm high "short" lid for quick and easy access. All boxes are metal edge reinforced for added strength and stack-ability and are ideal for storing negatives and prints on shelves.

As always, we recommend that negatives and prints be placed in envelopes prior to placement in the box. This provides protection from handling and helps prevent possible chemical reaction between unprotected items. **Price each.**



PRODUCT CODE	HOLDS	SIZE (L X W X H)	WT	PRICE
799-0405	4" x 5"	12" x 5.75" x 4.5" (305 x 146 x 114)		£8.28
799-6412	4" x 6"	12" x 6.75" x 4.75" (305 x 172 x 121)		£6.58
799-0507	5" x 7"	12" x 7.75" x 5.5" (305 x 197 x 140)		£7.87
799-8010	8" x 10"	12" x 10.625" x 8.625" (305 x 270 x 220)		£9.16

➤ Negative Boxes

These fully telescoping, drop-front boxes have been designed specifically to house negatives in our four-flap enclosures.

Constructed of acid-free, lignin-free 1000gsm unbuffered tan board with metal reinforced edges for extra strength and stack-ability.

The boxes are correctly sized to fit our four-flap negative enclosures for a firm fit and added protection for film or glass plate negatives.

The drop-front design assures easy accessibility. **Price each.**



PRODUCT CODE	SIZE (L X W X H)	WT	PRICE
799-7251	7.25" x 5.25" x 2.06" (184 x 133 x 52mm)	1.00kg	3.62

➤ Bulk Photo Storage Box

When you love to take pictures but can't seem to find the time to organise and store them properly, these sturdy acid-free storage containers provide a quick, convenient method of assuring your photographs are kept in safe conditions while they await your special attention. Each box has four internal sections and is available with, or without, 50 archival photo organiser envelopes to protect your photos and negatives. Metal edge reinforced corners on attractive burgundy board provide plenty of stacking strength.

Designed to hold 1700 photos up to 4" x 6" and their negatives. Size is 395mm w x 305mm d x 127mm h.

PRODUCT CODE	DESCRIPTION	PRICE
613-1512 BUR	Photo Storage Box w/o envelopes	£27.72
613-1512 EBUR	Photo Storage Box w50 envelopes	£38.65
670-4757	Extra Envelopes Pack 25	£5.20



**Lantern Slide Box**

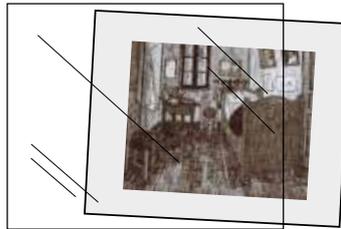
This short lid box is designed to store lantern glass slides (can also be used for glass negatives). Constructed from acid-free and lignin free unbuffered tan board of an exceptional high quality to ensure the best archival storage for rare valuable collections. **Price Each.**



PRODUCT CODE	SIZE	PRICE
799-0403	4.5" x 3.75" x 5"H (114mm x 95mm x 127mmH)	£5.95

**Lantern Slide Polyester Envelope**

Now there is a protective polyester enclosure specially sized for your lantern slides. Heavy archival quality 75 micron archival polyester construction provides protection from handling and atmospheric pollutants while allowing you to see the image. Each envelope is sealed on 3 sides, open long side with our thermo-weld process. Sized to hold American-style 3.25" x 4" x 3/16" lantern slides. **Price per package of 10.**



PRODUCT CODE	SIZE	PRICE
565-33316	4.5" x 3.625" (114 x 96mm)	£4.95



Proper storage of your glass plates and plastic supported film in our Four Flap Enclosures and Archival Storage Boxes will not only provide added physical protection but will appreciably enhance the lifespan of the image itself.

**NOTE:** Glass plate and plastic supported artifacts should be placed in the enclosure emulsion side down. Store paper and metal artifacts with emulsion side up with a sheet of Interleaving Tissue, cut to size, placed over them prior to closing the enclosure.

**Four Flap Negative Enclosures**

These unbuffered enclosures are an excellent choice for the storage of either standard negative film or glass plate negatives. The enclosures are made of our exclusive Perma/Dur® paper which is a lignin-free paper of high alpha cellulose content with excellent folding properties. The design of the enclosure allows the negative to be encased on all four sides assuring the uniform pressure which is so important with glass negatives. Our enclosures include 3 scores at each fold to ensure that your negatives, regardless of thickness, fit snugly within.



PRODUCT CODE	DESCRIPTION	PRICE
727-30409	Enclosures 78 x 103mm (3" x 4")	£18.27 pack 50
727-40509	Enclosures 103 x 127mm (4" x 5")	£20.45 pack 50
727-50709	Enclosures 127 x 179mm (5" x 7")	£29.65 pack 50
727-69899	Enclosures 167 x 243mm (6.5" x 9.5")	£39.25 pack 50
727-80109	Enclosures 205 x 255mm (8" x 10")	£46.31 pack 50

**LANTERN SLIDE FOUR FLAP ENCLOSURE**

727-33316	Lanternslide 84 x 84 x 4.75mm	£27.95 pk 100
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**Stereo View Storage**

**STORAGE BOXES FOR STEREOSCOPIC CARDS**

Storage Boxes for stereoscopic cards, post cards or other similar size items. Boxes have metal edges for stacking strength and are made of 1300gsm archival quality Perma/Dur® board. Inside is white; outside is blue/grey. Completely acid-free throughout for lasting protection. Slanted front allows for protection of contents and easy viewing without squeezing. Cover is 1" deep. **Price each.**

PRODUCT CODE	SIZE	WT	PRICE
780-1218	12" x 7.5" x 4.5" (305 x 191 x 114mm)	410g	£6.46

**STEREO VIEW FOUR FLAP ENCLOSURE**

727-1785	Stereo View Enclosure 170 x 85 x 4mm	£67.50 pack of 100
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**STEREO VIEW POLYESTER SLEEVES**

780-1217	4.5" x 7" (116 x 178mm)	£21.00
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Microfiche Storage Boxes

Constructed of our acid-free and lignin-free unbuffered tan board, these boxes have passed the "Photographic Activity Test," assuring you that this box is safe for long-term archival storage of microfiche. Inside box dimensions are 100mmH x 156mmW x 111mmL. One piece construction and metal-reinforced edges for strength and durability. **Price each.**

PRODUCT CODE	SIZE	WT	PRICE
799-6443	100mmH x 156mmW x 111mmL.	136g	£4.20

Microfiche Indexing Storage Box

A microfiche storage box high enough to allow a storage and retrieval system using our divider indexing guides. This unbuffered, acid-free, lignin-free, tan box is made of one piece construction with metal-reinforced edges. The board used in this box has passed the "Photographic Activity Test," assuring you that these boxes are safe for long-term archival storage. Fits any standard acid-free microfiche envelope and our acid-free microfiche divider guides (Cat. No. #228-5400 or #228-5500). Each box holds approximately 225 fiche in envelopes and twelve guides. Size: 127H x 159W x 127mmL. Price each.

PRODUCT CODE	SIZE	WT	PRICE
799-0565	127H x 159W x 127mmL.	136g	£5.80

Large Capacity Microfiche Box

An easy-access, large capacity "shoe-box" style box for the safe storage of your microfiche files. Each box is made of our 40 point, unbuffered, tan, acid-free, lignin-free board with metal-reinforced edges for added strength and stack-ability. The board used in the manufacture of this box has passed the "Photographic Activity Test," assuring you that these boxes are safe for long-term archival storage. Boxes are high enough to allow a storage and retrieval system using our divider indexing guides (Cat. No. 228-5400 or 228-5500) and designed to fit any standard size microfiche envelope. **Price per box.**

PRODUCT CODE	SIZE	WT	PRICE
799-5612	127 x 159 x 305mm	500g	£7.20

Acid-Free Microfiche Envelopes



Acid-free microfiche envelopes protect fiche from potential damage which may occur from acidic paper. Fiche envelopes have high throat and closed end. Overall size: 108 x 156mm. (4.25" H x 6.125" W). Price per box of 500.

PRODUCT CODE	DESCRIPTION	PRICE
570-8700	1.68kg	£17.40

Microfiche Divider Guides



Full cut or half cut guides for easy division of microfiche. Overall size is 121mmH x 152mmW (4.75" x 6"). Light Tan acid-free stock. Price per package of 50.

PRODUCT CODE	DESCRIPTION	WT	PRICE
228-5400	half-cut	364g	£18.25
228-5500	full-cut	409g	£14.30



Microfilm Cases

This sturdy metal reinforced edged box, made of our tan lignin-free boxboard, was designed to hold both 16mm and 35mm boxes (shown right). Hinged lid and drop front provide easy access to individual boxes so unit is ideal for shelf storage of microfilm. The unbuffered board used in the manufacture of these boxes has passed the "Photographic Activity Test" assuring you that these boxes are safe for long term archival storage. **Price each.**

Holds 6 x 35mm boxes

PRODUCT CODE	SIZE	PRICE
799-1044	10.625"L x 4.125"W x 4.125"H (270 x 105 x 105mm)	£4.95

Holds 7 x 35mm boxes

PRODUCT CODE	SIZE	PRICE
799-1244	13"L x 4.125"W x 4.125"H (329 x 105 x 105mm)	£8.25

Large Capacity Microfiche Box

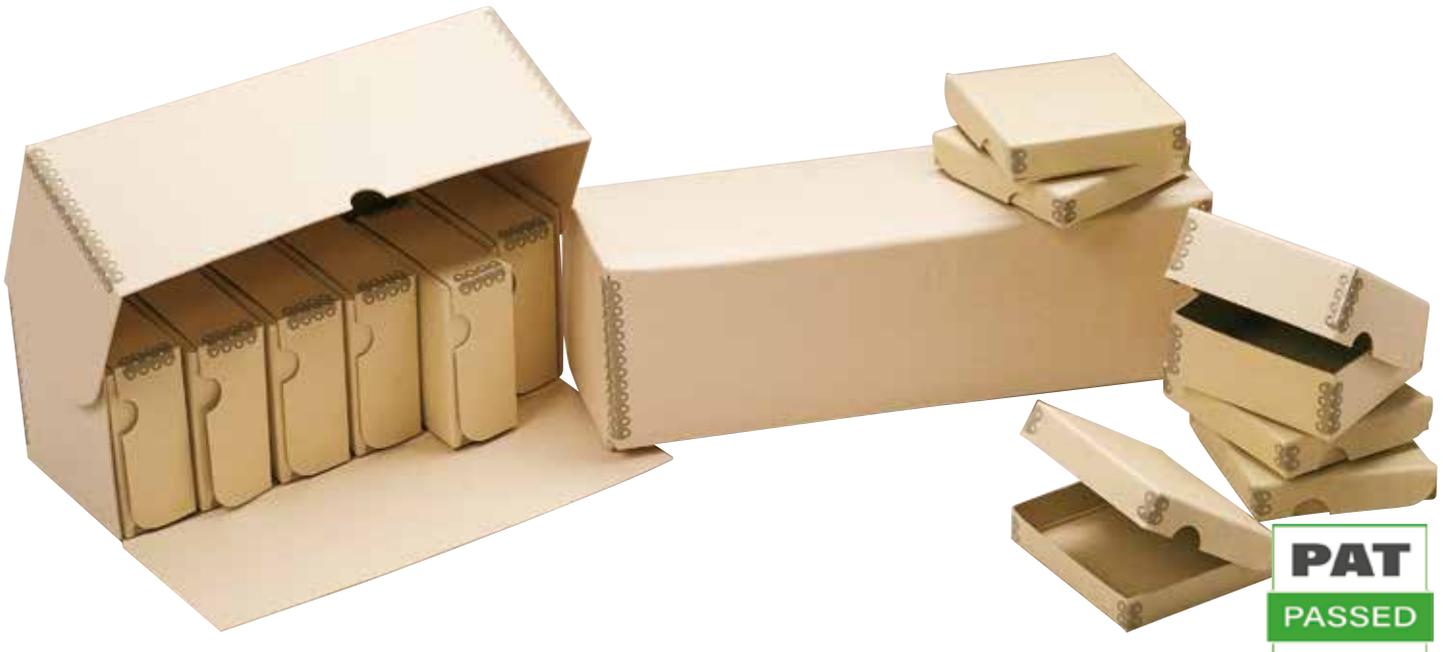
Made of our sturdy tan acid-free and lignin-free board, these boxes will stand up under rigorous use and are metal-edged for long life. This unbuffered box board is made from highly purified fibres which will not tarnish. The board used in the manufacture of these boxes has passed the "Photographic Activity Test," assuring you that these boxes are safe for long-term archival storage. **Price per 100.**

16mm boxes

PRODUCT CODE	SIZE	PRICE
799-3312	3.75"L x 3.75"W x 0.75"H (95 x 95 x 19mm)	£169.11

35mm boxes

PRODUCT CODE	SIZE	PRICE
799-3310	3.75"L x 3.75"W x 1.5"H (95 x 95 x 40mm)	£157.50



35mm Infinity Microfilm Boxes

To assure the quality of the Microfilm Storage boxes we provide, University Products is offering its own line of boxes for microfilm storage. Boxes are constructed of a high quality, acid-free (pH 8.5 +/- .5) and lignin-free board that is buffered with 3% calcium carbonate to help prevent micro-blemishes (also known as measles). The boxes fold flat for shipping and storing then pop together easily when you are ready to use. There is no better box of its kind on the market. Imprinting available, please call for quotation. **Price per package of 100.**



PRODUCT CODE	SIZE	PRICE
507-2221	4" x 1.75" x 4" (100 x 45 x 104mm)	£67.95

Microfilm Reel ID Tags

These Button & String Reel I.D. tags are a safe and effective means of preventing the unravelling of your valuable microfilm. Acid-free Perma/Dur tags help prevent damaging dust and light from reaching your film while providing you with space for numbering or recording specific information about each particular reel. Available for both 16mm and 35mm microfilm. **Price per package of 100 tags.**



PRODUCT CODE	SIZE	PRICE
721-1137	35mm Film Tags (35 x 318mm)	1.375" x 12.5" £38.60
721-1138	16mm Film Tags (16 x 318mm)	0.625" x 12.5" £33.95

Microfilm Viewer

A convenient handy viewer for reading aperture card, microfiche and X-ray film. Magnification 8x with a 24mm field of view.



PRODUCT CODE	WT	PRICE
886-2026	92g	£69.95

Loupes - see page 156  
Light Boxes - see page 150



**Storage Box for CD and DVDs in Cases**

The PEL Storage Box is acid-free and lignin-free made from strong archival boxboard. The metal edge corners provide strength and durability. The flip top provides easy access. Internal size 125mm x 145mm wide x 150mm depth will take 14 standard CD/DVD jewel cases or 28 slim and 70 CD/DVD in the 381-0124 acid-free envelopes.

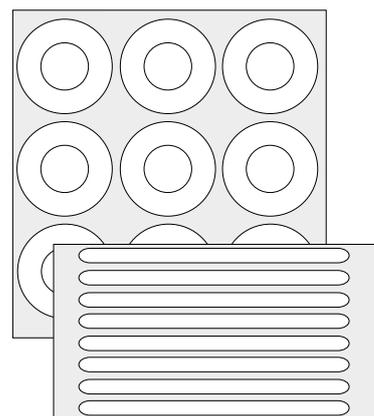
PRODUCT CODE	DESCRIPTION	PRICE
733-5555	CD/DVD Storage Box Internal size 125mm x 145mm wide x 150mm depth	£5.95

**Compact Disc ID / Case Labels**

CD Labels feature high tack, acid-free permanent acrylic adhesive. The white, smudge proof labels have a foil backing to protect from bleed through of the adhesive.

Note: If you are holding CDs for permanent retention, the circle labels for the CD may not be advised.

Circular label: 1.5" diameter (38mm)  
Box Spine Label: 0.25" x 4.625" (6.35mm x 118mm)  
Fan-folded, 200 labels per package. **Price per package.**

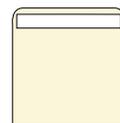


CODE	DESCRIPTION	PRICE
387-0730	Circular label	£5.45
387-1730	Jewel box spine	£9.95



**CD Storage Boxes**

Make the most of your shelf space while at the same time, protecting your CDs from dust, dirt and environmental pollutants. Both of these boxes store up to 30 CDs, and accompanying literature, in either the original jewel cases or our polypropylene replacement cases. Constructed of 60 pt. lignin-free tan board that has a smooth, low-dust surface. Lids are 2" (50mm) deep. Choose the portrait version that allows you to read titles on standard CDs, or the landscape version that leaves room for divider guides (sold separately). Divider guides allow you to identify and divide your collections within the box. **Please note: Divider guides are not compatible with 800-5512.**



PRODUCT CODE	DESCRIPTION	PRICE
<b>Storage Boxes</b>		
800-5512	12" x 5.125" x 5.625" (portrait)	£7.69
800-1255	12" x 5.875" x 5.5" (landscape)	£6.99
<b>Divider Guides</b>		
800-1255DIV	5.5" x 5.875" x 5.625" (10 pack)	£7.14

<b>CD Spacer Boards (keep CDs upright in their box, lignin free and buffered)</b>		
613-5519	5-1/2" H x 19-3/4" L	£9.73

Storage Box for CDs in Pockets/Envelopes

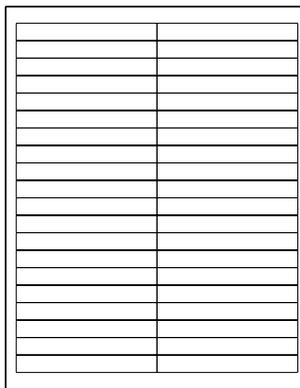
This convenient CD Storage Box offers easy access with good visibility. It is 10" deep and holds over 150 CDs with pockets. In addition, 10 handy dividers are included. Boxes are black outside and white inside with sturdy metal edges and elegant metal label holder.

PRODUCT CODE	DESCRIPTION	PRICE
800-5510	CD/DVD Storage Box Size 150mm W x 254mm L x 150mm	£19.36



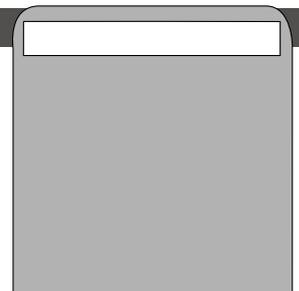
CD Pocket Labels

Perma/Seal® Labels for Angle Flap Pockets and Dividers Laser or Inkjet printable, these standard 8.5" x 11" sheets fit nearly all printers. Labels are 0.5" high by 4" wide and are acid-free with our exclusive foil back and permanent non-yellowing acrylic adhesive. 40 labels per page. **5 pages per pack.**



Dividers for Angle Flap Pockets

Dividers for Angle Flap CD Pockets are the same size as the pockets for easy browsing. They may be hand-lettered or you can use printable Perma/Seal® Labels shown above. Dividers are made of heavy acid-free cardstock for long life. **Priced per pack of 10 & 100.**



CODE	PRICE
387-1735	£7.75

CODE	PRICE
800-0505	£4.55
800-0505/100	£37.75

CD / DVD Envelopes

Acid-free archival quality compact disc storage envelopes with protective flap. For long term archival care of compact discs. Can be used in our CD storage cabinets or archival storage box. Designed to house one single CD with a snug fit to prevent movement inside the envelope.

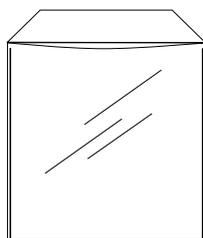
These sturdy, inexpensive storage envelopes help protect all types of compact discs from atmospheric pollutants that can corrode a CD's important metallic layer. Each acid-free envelope is buffered with calcium carbonate to neutralize acids. The 4.75" x 4.75" enclosure has a 1" flap to keep out dirt and dust. Ideal for all types of CDs including music, photo, data, games and software. A great replacement for bulky, fragile jewel cases. **Price per pack of 100.**



CODE	SIZE	PRICE
381-0124	5" x 5" (127 x 127mm)	£15.60

Clear CD / DVD Pockets

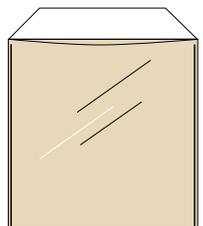
The pockets are Manufactured from smooth clear archival 4.5 mil polypropylene. The flap is scored for easy tucking inside. Accommodates CDs, DVDs or booklets up to 5.375" x 5". Overall size is 5.625" wide x 5.375" high. Flap is 1" high. **Pack of 100.**



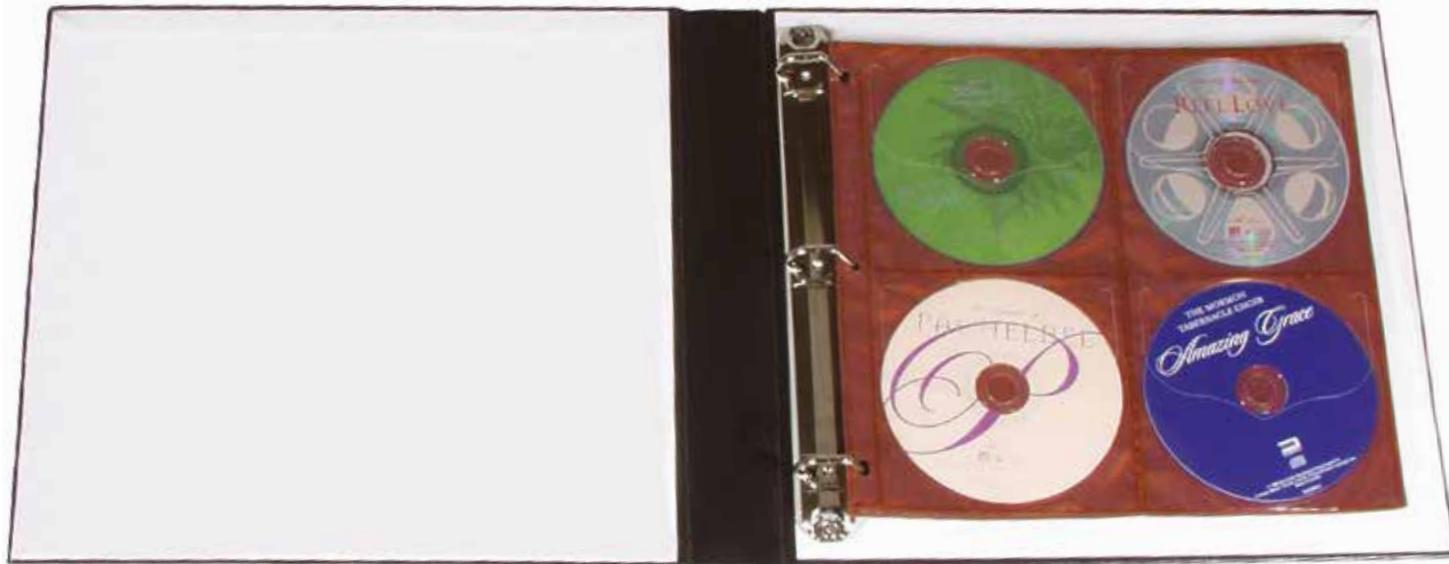
CODE	SIZE	PRICE
416-5585/100	142mm W x 136mm H	£13.65

Archivalware® CD / DVD Pockets

**Featuring Corrosion Intercept® Technology.** One side made of smooth Corrosion Intercept® material and the other side is clear 4.5 mil polyethylene. The flap is scored for easy tucking inside. It can accommodate CDs, DVDs, ZIP Discs or booklets up to 5.375" x 5". Overall size is 5.5" wide x 5.25" high. Flap is 1" high. Sold in packages of 10 & 100.



CODE	SIZE	PRICE
416-5555	140mm W x 133mm H - 10	£3.60
416-5555/100	140mm W x 133mm H - 100	£22.60



CD / DVD Binder Album

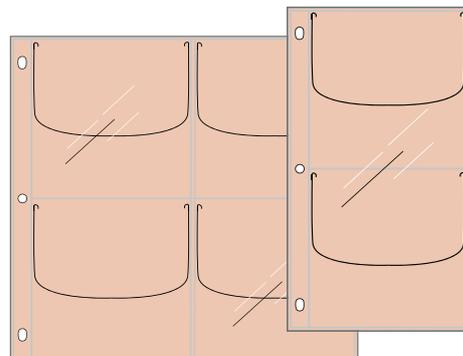
Album is archival, handmade with sturdy acid-free binder board which is covered with Black library Buckram bookcloth. 1" (25mm) D-rings will accommodate 10 pages. Albums will fit our Archivalware® Pages or Standard 3 ring pages.

PRODUCT CODE	SIZE	PRICE
463-D8BK	305mm H x 330mm	£11.95

Archivalware® Pages for CDs / DVDs | Corrosion Intercept® Technology

Featuring Corrosion Intercept® Technology Created specifically to protect the delicate metal layer of compact discs from degradation, these pages actively protect the digital images and information stored on CDs from oxidation caused by damaging gasses in the atmosphere. Choose either the 4-disc page (two on each side) measuring 5-3/4" x 10-1/8" or 8-disc page (four on each side) measuring 10-3/4" x 10-1/8". Corresponding albums are sold separately. Price per package of 5 pages.

PRODUCT CODE	DESCRIPTION	PRICE
416-8004	4 disc (146 x 257mm)	£4.20
416-8008	8 disc (273 x 257mm)	£5.59



DVD Storage Page with Literature Pocket | Corrosion Intercept® Technology

Unlike standard DVD cases and pages, the Archivalware® pages actively protect a disc's delicate surface. Each 9-1/4" x 11-3/8" page holds two discs (one on each side) and the accompanying literature - Such as a contact sheet for a disc of images. The pages fit any standard three-ring binder or album, and allow you to quickly flip through and locate the correct disc without having to remove from binder. A 7-1/2" x 5-1/8" upper pocket holds standard DVD literature while the 5-1/4" x 5-1/8" houses the corresponding disc. An inert clear outer layer allows you to easily view titles. **Price per package of 5 pages.**



PRODUCT CODE	SIZE	PRICE
416-1458	235mm x 289mm	£5.75

What is 'Corrosion intercept'?

Ozone and reactive oxygen cause the aluminium layer on the CD/DVD to break down. When aluminium in a thin film oxidizes, it becomes clear and unable to reflect the laser pulse attempting to read the disc, Archivalware® Corrosion Intercept® protects against this failure.

The permanent neutralisation of corrosive gasses also prevents fungus and bacterial growth. The unique design of the Archivalware® CD Preservers allow full visibility of the face of the CD/DVD while protecting the data side of the disc. The clear film which is UV protected will not lift images from the face of laser or inkjet produced labels. This unique and convenient storage system assures you the maximum protection current technology offers.

➤ **Black/Clear Binder Pages for CDs / DVDs**

Manufactured from clear archival polypropylene on the outside and black, non-woven polypropylene on the interior which helps prevent scratching. These pages provide an economical and safe way to store your compact disc collections including CDs, DVDs and Photo Discs. Won't stick to discs like vinyl pages. Unique "steerhead" design holds discs firmly in place. Choose either the 4-disc page (two on each side) or 8-disc page (four on each side). **Price per package of 10 pages.**



PRODUCT CODE	DESCRIPTION	PRICE
416-0204	4 disc (146 x 257mm)	£4.30
416-0408	8 disc (273 x 257mm)	£4.85



➤ **CD/DVD Archival Quality Case**

Made of unbreakable polypropylene, the shelf life of these cases is estimated to be around a century. These durable and functional CD/DVD cases are ideal for both circulation and long-term storage. Manufactured from inert, heavy-duty polypropylene, these one-piece cases won't crack or yellow over time. The resilient hinge won't crack or separate even after years of use. A protective hub holds the disc securely in place and the transparent case allows you to easily view the contents. Internal tabs are provided for storage of literature with the disc. The lock-tight design keeps the case securely closed during transit. Best of all, the patented self-releasing hub suspends the disc midair preventing the face from touching the case.

- 100% unbreakable, polypropylene
- Fully hinged, resilient, moulded as one piece
- Self-releasing patented hub
- Disk floats to prevent scratches

PRODUCT CODE	SIZE	PRICE
491-7845	143mm x 124mm x 10mm	£1.10

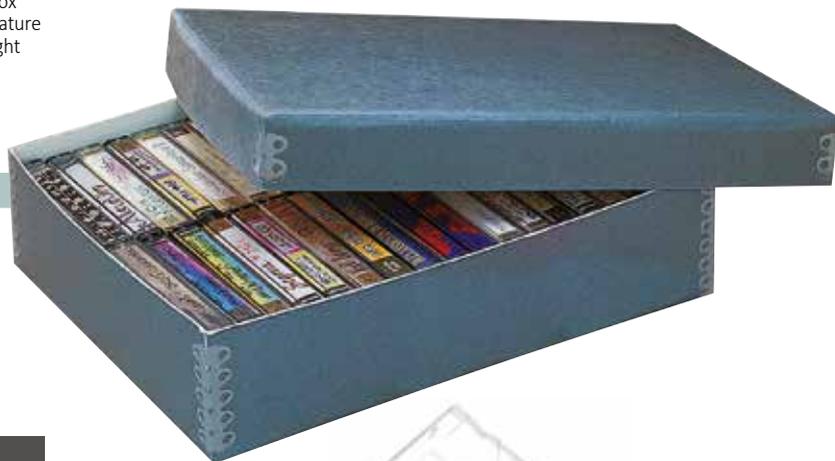


**For media storage cabinets see page 172**

Audio Cassette Storage Box

Keep audio cassettes neat and orderly in these Audio Cassette Storage Boxes. Each box holds 36 individual cassettes in their original cases. These buffered acid-free boxes feature metal edges for stacking strength, and a 1-1/2" telescoping lid to prevent dust and light from reaching your cassettes. Dimensions: 12-1/2" x 9" x 3". Price each.

PRODUCT CODE	SIZE (W X H X D)	WT/PK	PRICE
732-9125	318 x 229 x 76mm	364g	£6.12
387-1064	Cassette labels - Foil Backed 89 x 40mm	Pkg 500	£24.53



Polypropylene Cassette & Media Cases

Dust, grime and environmental pollution are often the greatest threat to your audio/visual collections. Protect your videos and audio cassettes by storing them in these long-lasting polypropylene cases.

Polypropylene is an inert, non-reactive plastic suitable for long-term, dust-free storage of media of all types. Polystyrene "boxes" often crack or break at the hinge after only one or two openings, but the hinges on these cases are flexible and will withstand hundreds of openings. Translucent cases allow a visual check of the contents without having to open them. **Price each.**

PRODUCT CODE	SIZE (W X H X D)	PRICE
563-4881	VHS Video 117 x 203 x 29mm	£3.75
441-6420	Audio Cassette 67 x 105 x 14mm	£0.25
491-7845	CD/DVD 143mm x 124mm x 10mm	£1.10



Archival Video Box

Store 12 video cassettes in their original cases or in our polypropylene video cases (below) in this archival quality box. Constructed of 60 pt. blue/grey boxboard, this box has a 2-1/2" deep lid so it stays securely on, protecting the contents from dust and rapid changes in the outside environment. Use our foil-backed box labels. **Price each.**

PRODUCT CODE	SIZE (W X H X D)	WT	PRICE
735-1555	394 x 216 x 127mm	364g	£6.72



Managing your storage environment

It's important for the preservation of your collection to maintain a consistent temperature and humidity. For storage of audio visual materials The LOC recommends, 'For institutional collections with materials to be preserved for a minimum of 10 years (ANSI IT9.13, 1996): 65-70° F and 45-50% RH - For institutional collections with materials having permanent value: 46-50° F (7.5°c-10°c) and 30-40% RH; do not store magnetic tape below 46° F'. For more details visit [www.loc.gov](http://www.loc.gov).

For data loggers see page 162, For humidity control see page 166.



**Phonograph Record Storage Boxes**

These sturdy, acid-free, Phonograph Record Storage Boxes are manufactured from our 1300gsm. Perma/Dur® board with an attractive blue/grey exterior and white interior. The adhesive-free, metal edge construction creates an ideal storage environment for your precious vinyl recordings. Boxes available for 7", 10" and 12" diameter albums and are designed to fit the album and sleeve.

**7" (45 rpm) Record Storage Boxes**

Store up to 100 of your 45 rpm records in an easy-access clamshell design. Box size is 7.75"H x 7.5"W x 9"L. Price each.

PRODUCT CODE	SIZE (W X H X D)	WT	PRICE
780-7759	197 x 190 x 229mm	364g	£9.47

**10" and 12" Record Storage Boxes**

Store up to 33 of your 10" or 12" records in these record storage boxes with telescoping lid and interior edge lip for easy viewing and access. Price each.

PRODUCT CODE	SIZE (W X H X D)	WT	PRICE
780-10756	273 x 273 x 152mm 10"	455g	£8.95
780-13136	330 x 330 x 152mm 12"	545g	£11.95

**Divider Boards for 12" Box**

Matching 1300gsm. Divider Boards are available for the 12" record box to help you organise and segregate your collection. 13"H x 12.5"W. Price per package of 25.

PRODUCT CODE	SIZE (W X H X D)	WT	PRICE
780-13125	330 x 318mm	455g	£27.40



**Phonograph Record Storage Sleeves and Envelopes**

Protect your valuable record albums with durable, acid-free and lignin-free, olde white, 135gsm Perma/Dur® storage sleeves and envelopes. Each is buffered with 3% calcium carbonate to absorb migrant acids. The extra smooth surface minimises abrasion of recordings. Storage Sleeves feature a circular cut-out to view record label. Storage Envelopes have an overlapping flap for added protection from dust and dirt and are without the circular cut-out.

Price per package of 25.



PRODUCT CODE	DESCRIPTION	WT	PRICE
<b>Sleeves</b>			
308-7070	for 7" record (178mm)	545g	£38.84
308-2100	for 10" record (254mm)	727g	£33.78
308-2112	for 12" record (305mm)	864g	£36.19

<b>Envelopes</b>			
380-0010	for 10" record (254mm)	682g	£29.36

**Wax Cylinder Phonograph Storage Boxes**

**NEW** product

Ensure your wax cylinders are not at risk from attack from acidity that could be present in the original container. Instead store the two together in these acid free archival storage boxes. Wax cylinders can be prone to damage from mould growth. It's important that any storage is cool and dry, as with all archival storage, environmental control and exclusion of pests is important. Each box is constructed from e-flute corrugated buffered board, and includes a spindle support that holds the cylinder in place and allows easy removal from the box without having to touch the delicate wax surface. The manufacturer's packaging is stored in an adjacent cavity within the same box, so all original information is maintained together.

- Metal edge for strength, no adhesives to dry out or off gas
- Clamshell design provides a sturdy repository that helps keep out dust, dirt, and light

PRODUCT CODE	SIZE	PRICE
612-0364	For 4" Cylinders	£17.69
612-0366	For 6" Cylinders	£22.19





➤ **Film Reel Storage Boxes**

Archival alternative to film cans, developed in conjunction with a major motion picture studio, our film reel storage boxes provide the best possible environment for stored movie film on reels. The boxes are made from an acid-free, lignin-free, buffered board and feature a full telescoping lid to keep out dust, dirt and light. Cellulose acetate film undergoes a slow form of chemical deterioration known as 'vinegar syndrome' causing embrittlement which can be accelerated by poor storage. Monitoring of the film is recommended with A-D strips.



PRODUCT CODE	SIZE	WT	PRICE
733-1010	10.25 x 10.25 x 1.5" (260 x 260 x 38mm)	410g	£10.90

➤ **Audio Tape Reel Boxes**

The boxes that are normally supplied with audio reel tapes, although convenient, are usually made of acidic chipboard, covered with acidic paper and unstable adhesives. In order to maintain the integrity of the sound on your tapes, you should store them in an acid-free, dust-free environment that provides physical protection as well. Our Audio Tape Boxes are constructed of unbuffered (pH neutral) lignin-free board with a low-dust surface. The two-piece design is made with a snug lid to stay closed during storage. Boxes accommodate tapes on reels either with or without flanges. The box for 267mm reels comes with a removable insert which has a 3" hub to keep smaller reels from shifting and creating static and dust. Box size: 178mmH x 178mmW x 18mmDeep and 279mmH x 279mmW x 18mmDeep.



CODE	DESCRIPTION	PRICE
799-7070	up to 7" (178mm)	£5.03
799-1111	up to 10.5" (267mm)	£9.62

➤ **Film Cores**

The flanges of a reel may cause the edges of film to warp and curl. The best, safest way to store film is to wind around one of these cores without a reel. The 16mm cores are made of inert, archival polypropylene: Diameter on both cores is 3". Price each.

- Resilient, does not deteriorate
- Made of polypropylene, resistant to acids and bases
- Size 3"
- Blue is the only colour available

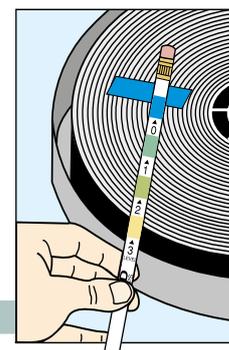
**Price Each**

PRODUCT CODE	DESCRIPTION	DIMENSIONS EXTERIOR & THICKNESS	PRICE
519-52030	3" core for 16mm film container	3"/1.81" (76mm x 46mm)	£0.95
519-53230	3" core for 35mm film container	3"/1.89" (76mm x 48mm)	£1.35



➤ **A-D Strips - Film Deterioration Monitors**

Film Base Deterioration Monitors Cellulose acetate film undergoes a slow form of chemical deterioration known as 'vinegar syndrome'. A-D Strips represent a safe and reliable method for detecting, measuring and recording the severity of 'vinegar syndrome' in film collections. When placed inside a closed container in the presence of acidic vapour given off by degrading film. A-D Strips change colour to indicate the severity of the level of acidity. Each kit contains complete instructions, a reference pencil printed with four bands of colour that correspond to the level of acidity, as well as 250 detector strips (measuring 38 x 10mm).



PRODUCT CODE	DESCRIPTION	WT	PRICE
114-0002	A-D kit	90g	£49.95



**Film Containers / Cans**

Film Cans for the safe, archival storage of 16mm and 35mm film on cores.

Storing films in rusting film cans may be one of the chief causes of their deterioration.

These film cans, made of inert polypropylene, won't rust or corrode like the original metal cans your film probably came in. Small vents in these containers allow the exchange of acidic gasses (a by-product of deterioration - 'Vinegar Syndrome') which would otherwise build up inside the can and speed the breakdown of the film.

These cans are flame retardant and contain less than 4% halogen which means that in the event of a fire there is virtually no release of chlorine or bromine gas.

For storage of films on cores only (not reels).

Casing answering to the standards drawn by ANSI, SIN and SMPTE.

- Silver Grey colour
- 100% prime polypropylene, inert and safe
- Designed allowing ventilation to prevent build-up of damaging gases
- The cans are stackable, with a secure interlocking system

**16mm Polypropylene film containers. Price each.**

PRODUCT CODE	DESCRIPTION	DIMENSIONS INTERIOR & THICKNESS	DIMENSIONS EXTERIOR & THICKNESS	PRICE
519-22504	16mm/400ft (120m)	7.01"/0.98" 178mm/25mm	7.64"/1.11" 194mm/28mm	£4.25
519-22506	16mm/800ft (240m)	9.25"/0.98" 235mm/25mm	9.88"/1.11" 251mm/28mm	£5.45
519-22512	16mm/1200ft (360m)	11.22"/0.98" 285mm/25mm	12.01"/1.08" 305mm/27mm	£6.45
519-22522	16mm/2000ft (600m)	14.17"/0.98" 360mm/25mm	14.96"/1.10" 380mm/28mm	£9.85

**35mm Polypropylene film containers. Price each.**

PRODUCT CODE	DESCRIPTION	DIMENSIONS INTERIOR & THICKNESS	DIMENSIONS EXTERIOR & THICKNESS	PRICE
519-23510	35mm/1000ft (300m)	10.24"/1.54" 260mm/39mm	11.02"/1.81" 280mm/46mm	£7.20
519-23520	35mm/2000ft (600m)	14.17"/1.54" 360mm/39mm	14.96"/1.81" 380mm/46mm	£10.95

**Hubs**

- Designed to prevent lateral sliding during transportation
- Used to hold an audio reel of 10"
- Made of polypropylene
- Black is the only available colour
- Size for 2000 ft containers



PRODUCT CODE	DESCRIPTION	DIMENSIONS EXTERIOR	PRICE
519-20000	Hub for 2000ft (600m) film container	12.01"/1.89" 305mm x 48mm	£2.80

Slide Storage Box

Our buffered slide storage box, made of the finest 1000gsm. lignin-free tan board, has a hinged-lid design for stability and a thumbcut top for easy access.

Each box comes with 20 slide boxes, made with our 500gsm. buffered board. Just pop open the slide holder and tuck in the bottom - it's ready to hold up to 20 slides.

A safe, easy and economical way to sort and store up to 400 2" x 2" slides.

Inside dimensions: 290mm x 162mm x 57mm.

Price each.



PRODUCT CODE	DESCRIPTION	WT	PRICE
799-6112	Box and 20 Slide Holders	0.27kg	£15.60
799-2000	Slide Holder for 20 each 2"x2" slides		£11.42



Archival Slide Storage Boxes

Slide storage box and case for 35mm slides (sold separately).

Each slide file case (799-1143) is designed to hold 6 of our archival slide storage boxes (799-2211). The fully telescoping lid provides protection from dust, dirt, handling and the drop front design provides easy access to individual boxes.

Each archival slide storage box is supplied with 6 dividers and can hold approximately 80-90 slides.

- Protection from damaging UV light in PAT Passed - 1000gsm unbuffered tan board
- Fully telescoping metal edged lid prevents ingress of dust and dirt
- Drop Front Base for easy access
- Metal Edge for extra protection
- Acid-Free and Lignin-Free, with no adhesives to dry out or off-gas

Ideal box for archive shelf storage of your slide collection.

Will also fit coin collections in coin storage envelopes.

PRODUCT CODE	DESCRIPTION	PRICE
799-1143	Slide Storage Case Holds 480-540 Slides in 6 internal boxes	£9.83
799-2211	Archival Slide Storage Box Holds 80-90 Slides	£3.99



For slide storage binder pages see page 43





**Adjustable Book Storage Boxes**

Create your own storage boxes for your valuable rare books and documents with these acid-free 450gsm boards.

These soil-resistant cream colour boards are scored every 0.625" for easy folding and are available in a wide range of sizes.

Enclosure is secured using a pressure-sensitive Velcoin (1 Velcoin provided per sheet). See How-To on this page for complete instructions. **Price per package of 5 boards.**

PRODUCT CODE	SIZE	PRICE
722-6014	6" x 14" (152 x 356mm)	£7.20
722-6022	6" x 22" (152 x 559mm)	£7.55
722-7016	7" x 16" (178 x 406mm)	£7.90
722-7024	7" x 24" (178 x 610mm)	£8.95
722-8018	8" x 18" (203 x 457mm)	£7.95
722-8026	8" x 26" (203 x 660mm)	£9.35
722-9020	9" x 20" (229 x 508mm)	£9.59
722-9028	9" x 28" (229 x 711mm)	£10.30
722-1022	10" x 22" (254 x 559mm)	£10.95
722-1030	10" x 30" (254 x 762mm)	£11.30
722-1124	11" x 24" (279 x 610mm)	£10.00
722-1132	11" x 32" (279 x 813mm)	£14.30
722-1226	12" x 26" (305 x 660mm)	£14.25
722-1234	12" x 34" (305 x 864mm)	£13.40
722-1430	14" x 30" (356 x 762mm)	£16.00
722-1436	14" x 36" (356 x 915mm)	£17.40

**STEP 1**

Determine book size and select the 2 Closest box half sizes.  
 eg: Book size 6"W x 7"L x 1"D  
 One-half size piece 6" x 22"  
 One-half size piece 7" x 16"  
 note: allow at least 2" for overlap.



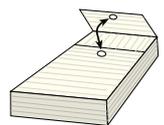
**STEP 2**

Encase book side to side first. Fold along scored lines for snug fit. Attach Velcoin to complete enclosure.



**STEP 3**

Encase book top to bottom. Again fold along appropriate score line. Attach Velcoin to complete the enclosure.



**Book Sleeves - Pamphlet Binder Folders**

Use these acid-free binder folders for protective covering and housing of textbooks with detached or damaged covers, and to isolate covers with severe red rot.

Manufactured from 1000gsm, acid-free and lignin-free board and scored to accommodate several spine widths up to 32mm. An economical alternative to phase boxes. Secure with white cotton tying tape (page 37). A variety of sizes are offered to accommodate various size books. Scores are parallel to the short dimension.

**Price per package of 10.**

PRODUCT CODE	DESCRIPTION	PRICE
801-9512	241 x 311mm	£18.75
801-1015	267 x 400mm	£20.30
801-1119	298 x 502mm	£22.32





Really Useful Boxes

These transparent polypropylene multi-purpose boxes are acid-free, suitable for archives and are conservation quality. They are exceptionally strong, stackable and come complete with a lid and locking handles.

- The 35 litre size is also available in folding format (shown in pictures) making it really useful as reusable temporary storage i.e. when cleaning cabinets, and for keeping a quantity ready in your disaster kit, product code 755-0035/F.
- For storage of CDs and DVDs, 755-0018 the 18 litre box is rigid, strong and is ideal for safe storage of this type of media.
- Another very useful (Really Useful Box) box is the 35 litre 755-0035 with an integral lip to accommodate foolscap suspension file folders. This makes the box ideal for mobile filing or as archive storage.
- The 9 litre box 755-0009 is designed to take A4 paper size and is one of the best selling sizes.
- The 0.7 litre 755-0001 can be used for small fragments especially useful on archaeological site digs. The locking lid ensures contents are secure, even if the box is knocked over.
- New security / anti-tamper pins available for 755-0018, 755-0033, 755-0042, 755-0050, and 755-0084. (see foot of page)

Dimensions: Length x Width x Depth.



Above Left: 9 litre 'A4' box 755-0009  
Above Right: 35 litre 'filing' box 755-0035



Below: Collapsible folding 35 litre box 755-0035/F

PRODUCT CODE	LITRE SIZE	EXTERNAL	INTERNAL	PRICE
755-0001	0.7	155 x 100 x 80	120 x 80 x 70	£1.45
755-0002	1.6	195 x 135 x 110	150 x 110 x 95	£1.96
755-0003	3	245 x 180 x 160	190 x 143 x 120	£2.95
755-0004	4	395 x 248 x 88	348 x 220 x 68	£3.95
755-0006	6	465 x 270 x 85	400 x 225 x 70	£4.90
755-0009	9	395 x 255 x 155	335 x 210 x 140	£4.90
755-0011	11	450 x 350 x 120	365 x 300 x 91	£5.90
755-0018	18	480 x 390 x 200	380 x 310 x 170	£7.85
755-0019	19	395 x 255 x 290	315 x 205 x 270	£7.85
755-0020	20	710 x 440 x 120	610 x 370 x 90	£9.80
755-0021	21	480 x 390 x 230	380 x 310 x 200	£9.80
755-0033	33	710 x 440 x 165	605 x 370 x 145	£10.50
755-0035	35	480 x 390 x 310	370 x 310 x 280	£11.15
755-0035/F	35 Folding	485 x 390 x 325	380 x 320 x 290	£13.10
755-0038	38	480 x 390 x 345	370 x 310 x 280	£13.10
755-0042	42	520 x 440 x 310	405 x 365 x 280	£11.50
755-0050	50	710 x 440 x 230	605 x 370 x 200	£11.50
755-0064	64	710 x 440 x 310	605 x 370 x 280	£13.25
755-0084	84	710 x 440 x 380	605 x 370 x 355	£16.75

Really Useful Box Security Pins

NEW product

Protect valuable items and ensure that contents have not been removed or tampered with. Simply pushes into hole through handle. Suitable for the following boxes; 755-0018, 755-0033, 755-0042, 755-0050, and 755-0084 only. Package of 25.



PRODUCT CODE	DESCRIPTION	PRICE
P755-OPIN	25 Security Pins	£2.95

➤ Really Useful Box - Archiving Shelf Kits



More shelving  
pages 181-183

Due to the success of the Really Useful Boxes we can now offer racking designed by PEL together with our racking manufacturer. The shelves are especially made for the boxes. The paint is of conservation standard and does not off gas, making the archive racking suitable for museum storage and archiving. The kits are supplied flat packed and are easy to assemble.

Really Useful Box storage bays can be used with other sizes of boxes to suit your requirements. Each shelf will take 78kg. Please be aware that weights quoted are for uniformly distributed weights. Graphite grey uprights with light grey shelves.

Please note, prices are for shelving only. Boxes ordered separately.

PRODUCT CODE	SIZE (MM)	BOXES	SHELVES	PRICE
502-0704	1850H x 900W x 450D	10 x 35 litres	4	£129.35
502-0705	1850H x 900W x 370D	48 x 4 litres	5	£148.85
502-0706	1850H x 900W x 450D	10 x 35 litres	6	£159.20

➤ Really Useful Box Trays

The trays are designed to fit inside the 755-0035 Really Useful Box. The system is ideal for storing fragments, specimens, small fossils, minerals, shells, jewellery, medals and various artefact collections. We recommend our 979-1000, 100% polyester batting/wadding to create nests to protect fragile contents. Really Useful Box Trays are 90mm deep and you can fit 3 trays into the 35 litre box.

Each tray has a lip to allow the trays to be stacked neatly and prevents them slipping apart. They sit squarely on each other and this allows them to be used without a box if necessary.

<b>PRODUCT CODE: 755-00T1</b>	<b>£4.70</b>
External Dimensions (mm):	375 x 310 x 90mm
No. of compartments & size:	6 x 150mm x 20mm
<b>PRODUCT CODE: 755-00T2</b>	<b>£4.70</b>
External Dimensions (mm):	375 x 310 x 90mm
No. of compartments & size:	16 x 90mm x 74mm



➤ Collapsible Crate / Tote Basket

These heavy duty collapsible crates are a tough polypropylene storage crate which are strong enough to stand on. Ideal heavy duty storage boxes for temporary or everyday use.

Store or move books, articles, files, etc safely and conveniently with these large capacity baskets. Baskets "nest" for safe stacking.

Internal size: 360 x 520 x 280mm External Size: 390 x 570 x 285mm - 50mm Deep when folded.



PRODUCT CODE	PRICE
444-40006 Collapsible Crate	£6.95

➤ **Artefact Storage Boxes - For Small Items**

Artefact Storage Boxes for storage of various objects such as buttons, fragments, miniatures or any small item that should be stored in an environment that does not contain migratory acids, lignins or chemicals.

- Metal edged for strength and vermin-free enclosures.
- Tops and bottoms may be used as open trays.
- Buffered, light tan board; 0.5mm thickness. Sturdy and stackable.



Price per package of 10.

PRODUCT CODE	SIZE	WT	PRICE
734-2525	2.5" x 2.5" x 1.25" (64 x 64 x 32mm)	318g	£25.95
734-3540	3.5" x 4" x 1.25" (89 x 102 x 32mm)	410g	£29.10
734-4560	4.5" x 6.5" x 1.5" (114 x 165 x 38mm)	773g	£38.15
734-5575	5.5" x 7.5" x 1.5" (140 x 191 x 38mm)	864g	£44.51

➤ **Flat Short Lid Boxes**

"Short-lid" flat boxes made for the storage of manuscripts, rare books and many other items requiring a shallow depth 89mm, metal-reinforced acid-free stackable box. The convenient "short-lid" makes access quick and easy. Available in both our acid-free 1300gsm Blue/Grey board and our acid-free, lignin-free tan board.



Price each.

PRODUCT CODE		SIZE (17.5" X 11.5" X 3.5")	WT	PRICE
801-1711	Tan	445 x 292 x 89mm	545g	£8.99
732-1711	Blue/grey	445 x 292 x 89mm	500g	£7.25

PRODUCT CODE		SIZE (20.5" X 16.5" X 3.5")	WT	PRICE
732-2016	Blue/grey	521 x 419 x 89mm	864g	£11.95

➤ **Card File Boxes**

Short-lid boxes made for the storage of cards, envelopes and other miscellaneous items requiring a metal reinforced, stackable box.

Short-lid (1.5") makes access quick and easy. Available in both our 1300gsm buffered blue-grey board and our buffered tan lignin-free board.

Price each.



PRODUCT CODE		SIZE (FOR 3" X 5" CARDS)	WT	PRICE
801-1253	Tan	305 x 130 x 79mm	318g	£5.60
732-1253	Blue/grey	305 x 130 x 79mm	318g	£4.80

		SIZE (FOR 4" X 6" CARDS)	WT	PRICE
801-1264	Tan	305 x 156 x 105mm	410g	£6.99
732-1264	Blue/grey	305 x 156 x 105mm	410g	£5.90

		SIZE (FOR 5" X 8" CARDS)	WT	PRICE
801-1285	Tan	305 x 206 x 130mm	500g	£8.55
732-1285	Blue/grey	305 x 206 x 130mm	500g	£6.50

		SIZE (FOR 6" X 9" CARDS)	WT	PRICE
732-1296	Blue/grey	305 x 232 x 156mm	545g	£6.99

➤ **Small Artefact Storage Boxes**

Artefact Storage Boxes for storage of various objects such as buttons, fragments, miniatures or any small item that should be stored in an environment that does not contain migratory acids, lignin or chemicals. **All prices are for package of 10 boxes**

TOP VIEW ARTEFACT BOXES	THICKNESS	BUFFER	COLOUR	DESIGN	CONSTRUCTION	LIGNIN FREE
Bottom	20pt	Yes	Light Tan	Deep Lid	Metal Edge	Yes
Top	20pt	N/A	Clear	Deep Lid	Metal Edge	Yes

These boxes feature an acid-free buffered 0.5mm tan boxboard bottom with a 375 micron clear polyester top. Both tops and bottoms have sturdy metal-corner construction with a full telescoping design for strength and stability. Display and view the contents without disturbing your collection.

PRODUCT CODE	L X W X H	WEIGHT	PRICE
734-2525-1	2.5" x 2.5" x 1.25" (64mm x 64mm x 32mm)	318g	£33.40
734-3540-1	3.5" x 4" x 1.25" (89mm x 102mm x 32mm)	410g	£34.00
734-4560-1	4.5" x 6.5" x 1.5" (114mm x 165mm x 38mm)	773g	£40.15
734-5575-1	5.5" x 7.5" x 1.5" (140mm x 191mm x 38mm)	864g	£41.80

FULL VIEW ARTEFACT BOXES	THICKNESS	BUFFER	COLOUR	DESIGN	CONSTRUCTION	LIGNIN FREE
Full View Box	20pt	N/A	Clear	Deep Lid	Metal Edge	N/A

The ultimate in visibility for your collection; both top and bottom of boxes are manufactured with 375 micron archival quality, crystal clear polyester and feature metal edge construction.

PRODUCT CODE	L X W X H	WEIGHT	PRICE
734-2525-2	2.5" x 2.5" x 1.25" (64mm x 64mm x 32mm)	318g	£35.10
734-3540-2	3.5" x 4" x 1.25" (89mm x 102mm x 32mm)	410g	£39.30
734-4560-2	4.5" x 6.5" x 1.5" (114mm x 165mm x 38mm)	773g	£51.33
734-5575-2	5.5" x 7.5" x 1.5" (140mm x 191mm x 38mm)	864g	£47.78





➤ **Artefact Storage Boxes - For Small Items**

**Now Available With Optional Clear-View Covers**

This artefact/specimen storage system provides you with the configuration which best suits the storage requirements of your particular collection. The 257 x 340 x 25mm metal edged carrier tray is constructed of our 1300gsm. buffered blue/grey board. All specimen trays are constructed of white, unbuffered, 2-ply, 100% rag board fastened on the corners by an acid-free paper tape with a stable heat seal acrylic adhesive. The system is ideal for storing items similar in character but varying in size. Jewellery, medals, buttons, small fossils, shells, and almost any collection of miniatures can benefit from this neat and orderly storage system. The design allows you to configure multiple specimen tray sizes within one carrier tray as shown above. Price includes one carrier tray and number of specimen trays indicated. A new, optional clear-view Mylar® cover for the carrier tray helps secure the collection, keeps it free from dirt and dust, and still allows full view of contents.

PRODUCT CODE	TRAY SIZE / DESC.		NO. TRAYS	PRICE
727-14040	(A) 40 x 40 x 23	1.56" x 1.56" x 0.9"	48	£32.73
727-18040	(B) 40 x 80 x 23	1.56" x 3.12" x 0.9"	24	£23.55
727-18080	(C) 80 x 80 x 23	3.12" x 3.12" x 0.9"	12	£17.58
727-11680	(D) 160 x 80 x 23	6.24" x 3.12" x 0.9"	6	£14.20
727-8632	8 A's, 6 B's, 3 C's, 2 D's 19 assorted			£23.10
727-101312	Clear-View polyester cover for carrier tray			£11.58

➤ **Archival Specimen Trays**

Acid-free, lignin-free specimen trays offer standard containers to fit in specimen cabinets (standard specimen tray drawer 590mm x 753mm x 48mm deep) in a variety of configurations. Trays are metal edged. Modular dimensions and design enable user to create drawer layouts to fit any collection. Items may be assorted for best quantity price. Manufactured from our 40 pt. Dark Tan board which is buffered for an alkaline reserve. Price per package of 10.

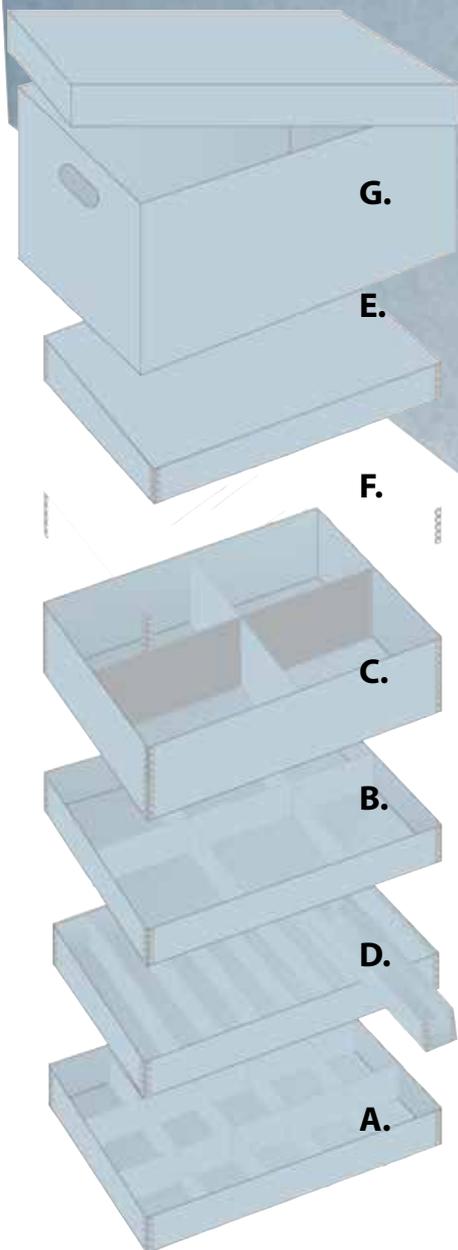
PRODUCT CODE	TRAY SIZE / DESC.	NO. TRAYS	PRICE
800-2911	Archival Specimen Tray - 2.925" x 1.8" x 1"	Pkg 10	£21.88
800-2931	Archival Specimen Tray - 2.925" x 3.625" x 1"	Pkg 10	£27.05
800-3651	Archival Specimen Tray - 3.625" x 5.85" x 1"	Pkg 10	£28.41
800-7115	Archival Specimen Tray - 7.25" x 11.7" x 1.5"	Pkg 10	£50.50



➤ **Clear-View Boxes**

Store your collections safely and visibly with our Clear-View Boxes. These boxes are constructed of our 1000gsm, unbuffered, tan box board which is both acid-free and lignin-free. The box top has a window of crystal clear, 75 micron, archival quality polyester so you can see the contents without disturbing them. Metal-edged corners and the telescoping design create an exceptionally strong box. Outside dimensions are given. **Price each.**

PRODUCT CODE	TRAY SIZE / DESC.		NO. TRAYS	PRICE
799-5372	5.5" x 3.75" x 2.5"	(140 x 95 x 64mm)	90g	£7.15
799-7552	7.5" x 5.5" x 2.5"	(191 x 140 x 64mm)	90g	£12.50
799-7555	7.5" x 5.5" x 5.5"	(199 x 140 x 140mm)	227g	£14.75
799-1172	11" x 7.5" x 2.5"	(280 x 191 x 64mm)	182g	£8.70
799-1174	11" x 7.5" x 4"	(280 x 191 x 102mm)	227g	£17.15
799-1175	11" x 7.5" x 5.5"	(280 x 191 x 140mm)	364g	£18.40
799-15114	15" x 11" x 4"	(381 x 280 x 102mm)	410g	£16.35



613-0771  
**Base Box with Standard Lid**  
 Size: 381 x 304 x 254mm

415-12151  
**Standard Lid**  
 Height: 35mm

415-12152  
**Lid made from Archival Polyester**  
 Height: 35mm

613-0405  
**4 Compartments**  
 Size: 196 x 146 x 127mm

613-0625  
**6 Compartments**  
 Size: 146 x 120 x 63mm

613-0207  
**7 Compartments**  
 Size: 301 x 50 x 35mm

613-1525  
**15 Compartments**  
 Size: 95 x 70 x 63mm

**B-Flute Tray System**

A system ideal for archival presentation or display of artefacts, these trays are constructed from heavy duty B-Flute corrugated board and are acid-free and lignen-free with a 3% calcium carbonate buffer. Note: Base storage carton will only accept trays without covers.

**BASE STORAGE CARTON COMPLETE WITH LID**

THICKNESS	BUFFER	COLOUR	DESIGN	LIGNIN-FREE
1/8" (3mm)	Yes	Blue/Grey	Bulk	Yes

PRODUCT CODE	SIZE (L X W X H)	WEIGHT	PRICE
G. 613-0775	15" x 12" x 10"	900g	£58.20 pack 5
G. 613-0725	15" x 12" x 10"	4.5kg	£261.66 pack 25

**INNER COMPARTMENTALISED TRAYS**

THICKNESS	BUFFER	COLOUR	DESIGN	LIGNIN-FREE
1/8" (3mm)	Yes	Blue/Grey	Nesting Tray	Yes

PRODUCT CODE	COMPARTMENTS	SIZE (L X W X H)	PRICE
A. 613-1525	15	3.75" x 2.75" x 2.5"	£18.24
B. 613-0625	6	5.75" x 4.75" x 2.5"	£17.33
C. 613-0405	4	7.75" x 5.75" x 5"	£17.33
D. 613-0207	7	12" x 2" x 1.375"	£17.33

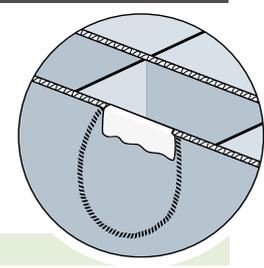
**TRAY LIDS**

PRODUCT CODE	DESCRIPTION	WEIGHT	PRICE
E. 415-12151	1.375" Standard Lid	180g	£9.56
F. 415-12152	1.375" Lid Clear Archival Polyester	140g	£10.35

**Pull-String Kit**

Use the unique kit to create reliable pull-handles for your artefact storage trays. With regular pliers, just crimp the nickel-plated clip over a knotted length of cord on the edge of the tray. Each kit contains 6 pre-crimped clips and 6 cords. **Price per kit.**

PRODUCT CODE	WEIGHT	PRICE
613-0001	45g	£9.55





**Mix & Match Modular Archival E-Flute Storage Boxes**

Sturdy and durable E-flute corrugated compartments and trays create a storage system for a variety of artefacts and collectibles. Acid-free and lignen-free, with a calcium carbonate buffer to help neutralize acids. Metal corners protect against wear and tear and provide stacking strength. Overall tray size is 18.375" x 12.5" x 1.5" (I.D.) Perfect for flat file storage. Trays are available with matching corrugated lid or the new Clear-View® 375 micron polyester lid. Trays and compartments sold separately.

THICKNESS	BUFFER	COLOUR	DESIGN	LIGNIN-FREE
1/16" (1.5mm)	Yes	Blue/Grey	Nesting Tray	Yes

**COMPARTMENTS**

PRODUCT CODE	COMPARTMENT SZ.	NO. COMPARTMENTS	PRICE
M. 612-0100	3" x 2.125" x 1.4"	32 (4 x 8)	£13.52
L. 612-0101	4.5" x 3" x 1.4"	16 (4 x 4)	£13.52
K. 612-0102	9" x 3" x 1.4"	8 (4 x 2)	£13.52
J. 612-0103	9" x 6" x 1.4"	4 (4 x 1)	£13.52

THICKNESS	BUFFER	COLOUR	DESIGN	LIGNIN-FREE
1/16" (1.5mm)	Yes	Blue/Grey	Nesting Tray	Yes

**COMPARTMENTS**

THICKNESS	BUFFER	COLOUR	DESIGN	LIGNIN-FREE
1/16" (1.5mm)	Yes	Blue/Grey	Tray & Lid	Yes

PRODUCT CODE	DESCRIPTION & SIZE	PRICE
H. 612-0104	Tray & Matching Solid Lid 466 x 317 x 38mm	£18.89
I. 612-01052	Tray & Clear-View® Lid 466 x 317 x 38mm	£20.35
N. 612-0106	Tray & Solid Lid 466 x 317 x 38mm	
	+ Set of 15 compartments	£47.37

612-0104  
**E-Flute Corrugated Tray & Solid Lid**

612-01052  
**Tray & Clear-View® 375 micron Polyester Lid**

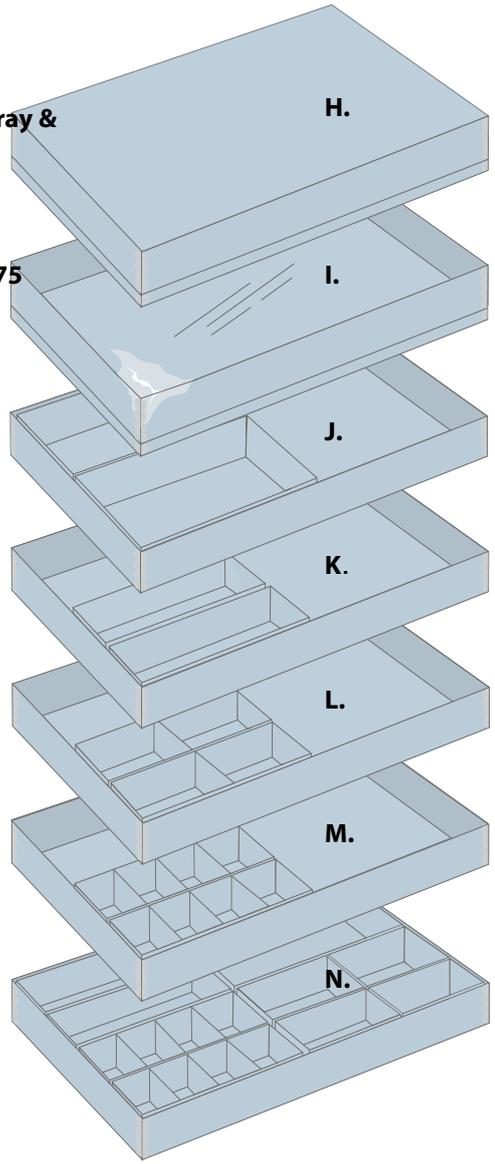
612-0103  
**4 Compartments**  
Size: 228 x 152 x 35mm  
(9" x 6" x 1.4")

612-0102  
**8 Compartments**  
Size: 228 x 76 x 35mm  
(9" x 3" x 1.4")

612-0101  
**16 Compartments**  
Size: 114 x 76 x 35mm  
(4.5" x 3" x 1.4")

612-0100  
**32 Compartments**  
Size: 76 x 54 x 35mm  
(3" x 2.125" x 1.4")

612-0106  
**Tray & solid lid with complete set of 15 compartments**





Heritage Albums & Scrapbook

Our Heritage Scrapbooks and Heritage Albums have set the standard for archival quality storage albums. Each is manufactured from sturdy, 2.8mm thick, acid-free board that is covered in an attractive maroon book cloth.

Interiors are lined with acid-free, lignin-free Perma/Dur® and feature the appropriate O-ring or D-ring to securely hold pages. Slipcases covered in matching maroon bookcloth are available for standard size albums.

Choose our standard acid-free, Ivory coloured Perma/Dur®, Insert Pages manufactured from acid-free, archival quality, mounting paper. Our Jumbo Album features sturdy, acid-free, blue/grey insert pages for increased support. All page protectors are manufactured from inert Mylar® archival polyester to provide additional safety.

STANDARD ALBUM & PAGES:

Album is 305mm high, 298mm wide with a 64mm spine and 38mm D-ring (3 rings 108mm centres). Matching slipcase is 318mm high, 305mm wide with a 73mm spine. Pages measure 295 x 245mm.

PRODUCT CODE	DESCRIPTION	WT. KG	PRICE EACH
462-0001	Album & Maroon Slipcase	1.60kg	£66.10
462-0002	Album only	0.73kg	£29.10
462-0003	Maroon Slipcase only	1.00kg	£29.10

EXPANSION PAGES WITH 50 MICRON PROTECTORS FOR STANDARD ALBUM

PRODUCT CODE	SIZE	QTY/PACK	PRICE PER PACKAGE
742-851250	298 x 245mm	50	£27.58

OVERSIZE ALBUM (LEGAL SIZE) & PAGES:

Album is 394mm high, 392mm wide with a 52mm spine and four 38mm O-rings. Sorry, no slipcase available. Pages measure 356 x 241mm.

PRODUCT CODE	DESCRIPTION	WT. KG	PRICE EACH
462-0004	Album Only	1.09kg	£42.10

EXPANSION PAGES WITH 50 MICRON PROTECTORS FOR OVERSIZE ALBUM

PRODUCT CODE	SIZE	QTY/PACK	PRICE PER PACKAGE
742-851450	355 x 245mm	50	£31.74

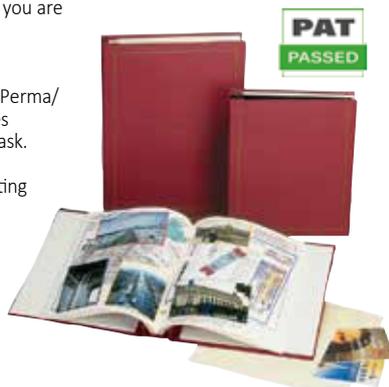
Heritage Post-Bound Scrapbooks

University Products' acid-free Heritage Scrapbooks for memorabilia offer all the benefits of our Heritage Albums. In addition, we have attached an acid-free envelope inside for safe, temporary storage until you are ready to mount to pages.

Available in three standard sizes, each containing 50 acid-free, Ivory coloured Perma/Dur® pages. Screw Post assembly makes insertion of expansion pages a simple task.

Choose from our wide variety of mounting corners or use neutral pH adhesive for direct mounting.

For additional protection try our 50 micron polyester page protectors.



SCRAP BOOKS WITH 50 PAGES (DOES NOT INCLUDE PROTECTORS) IVORY PERMA/DUR®

PRODUCT CODE	SIZE MM (W X H)	PAGE SIZE	WT KG	PRICE
742-1012	267 x 330	254 x 318	1.55kg	£61.80
742-1116	305 x 419	292 x 406	2.18kg	£70.00
742-1624	419 x 622	406 x 610	4.18kg	£121.50

EXPANSION PAGES. PRICE PER PACKAGE OF 25, IVORY PERMA/DUR®

PRODUCT CODE	SIZE	PRICE PER PACKAGE
743-1012	254 x 318mm	0.41g £12.77
743-1116	292 x 406mm	0.64g £12.42
743-1624	406 x 610mm	1.45g £17.77

POLYESTER PAGE PROTECTORS (DOES NOT INCLUDE MOUNTING PAGES)

PRODUCT CODE	SIZE	PRICE PER PACKAGE
781-1012	254 x 318mm	0.41g £26.65
781-1116	292 x 406mm	0.59g £26.10
781-1624	406 x 610mm	1.18g £44.10

➤ **Giant Archival Scrapbook Album**

Our Archival Album is 20" wide by 26" high, making it easy to mount full size newspapers with ease, made with post binders to allow for easy expansion, the album comes complete with 25 heavyweight (216gsm), ivory, acid-free sheets (50 pages), each measuring 19.5" x 25.5". A 1" reinforcing strip on the binding side of the page helps prevent tear-outs and keeps the binder from bulging once items are mounted on the pages. Album covers are crafted from an attractive and durable book cloth to assure years of use. To provide additional protection to your mounted items, cover them with crystal clear polyester Archival Polyester page protectors (sold separately).

PRODUCT CODE	DESCRIPTION	PRICE
742-1925-33	Black Album	£94.85
742-1925-01	Burgundy Album	£94.85
743-1925	25 extra pages/ivory	£26.95
781-1925	25 Mylar D (50 micron) pages	£46.00
870-2055	3/pk 0.5" post extension	£1.70
870-2054	3/pk 2" binding post	£1.80



➤ **Polyester Boxbinder Pages**

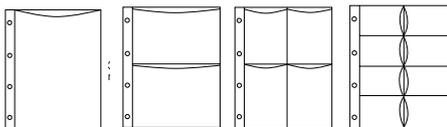
**Polyester 4 Hole Boxbinder Pocket Pages**  
Designed specifically for use in our Deluxe Infinity Album™ and our 4-ring Museum Boxbinders, these pages offer maximum protection to your most precious photos, documents, mementos, etc.

The crystal clear pages, made from 75 micron polyester with a superior welded seam, will not become brittle or yellow with age, safeguarding your memories for future generations to enjoy.

Overall page size: 320mmH x 250mmW.  
Price per package of 10 pages.  
These pages fit 4 ring albums and boxbinder found on this page.



**100% ARCHIVAL POLYESTER PAGES**



**565-PBP1    565-PBP2    565-PBP4    565-PBP5**

PRODUCT CODE	POCKETS & SIZE	OPEN	PRICE
565-PBP1	1 x 318H x 229W	top	£10.99
565-PBP2	2 x 152H x 229W	top	£21.95
565-PBP3	1 x 318H x 229W	side	£11.95
565-PBP4	4 x 157H x 118W	top	£20.95
565-PBP5	8 x 76H x 114W	side	£22.95



➤ **Museum Boxbinder**

This BoxBinder is manufactured from our 1300gsm, acid-free blue/grey board, lined with a white acid-free interior that is buffered with 3% calcium carbonate. Black, rust proof metal edges give the Museum Boxbinder extra stacking strength. Available with your choice of either a three 38mm D-ring, or a four D-ring binding mechanism which accommodates pages below. Interior dimensions: 330mm x 291mm x 60mm. **Price each.**

PRODUCT CODE	DESCRIPTION	WT	PRICE
735-BB3	Three D-Ring	1.14g	£12.95
735-BB4	Four D-Ring	1.14g	£12.95



Archival A4 Multihole Pages

These archival album and binder pages are manufactured especially for PEL. Made from inert, clear, acid-free, polypropylene designed to fit A4 paper size 297 x 210mm with multi holes for 3 or 4 ring binders. The pages have a soft clear quality feel and attractive appearance making them one of our best selling products. 1 or 2 (landscape) pockets per page.



PRODUCT CODE	OVERALL SIZE	PKT NO.	POCKET SIZE	PRICE	
525-00A4	302 x 235mm	1x	300 x 217mm	£16.50	100 pack
525-00A4/10	302 x 235mm	1x	300 x 217mm	£179.55	1000 pack
525-00A5	302 x 235mm	2x	214 x 150mm	£19.90	100 pack
525-00A5/10	302 x 235mm	2x	214 x 150mm	£179.10	1000 pack

Presentation Pockets



High clarity, 150 micron thick polypropylene. Sealed on three sides, 1/16" (1.5mm) lip, opening on short side. 1/4" (6mm) pocket tolerance. Ideal for digital prints. Price package 100 pockets

PRODUCT CODE	SIZE (MM)	SIZE (INCHES)	PRICE
067-0811	222mm x 287mm	8.75" x 11.25"	£12.19
067-1117	304mm x 440mm	12" x 17.25"	£20.20
067-1620	412mm x 516mm	16.25" x 20.25"	£30.95
067-2024	514mm x 617mm	20.25" x 24.25"	£43.68

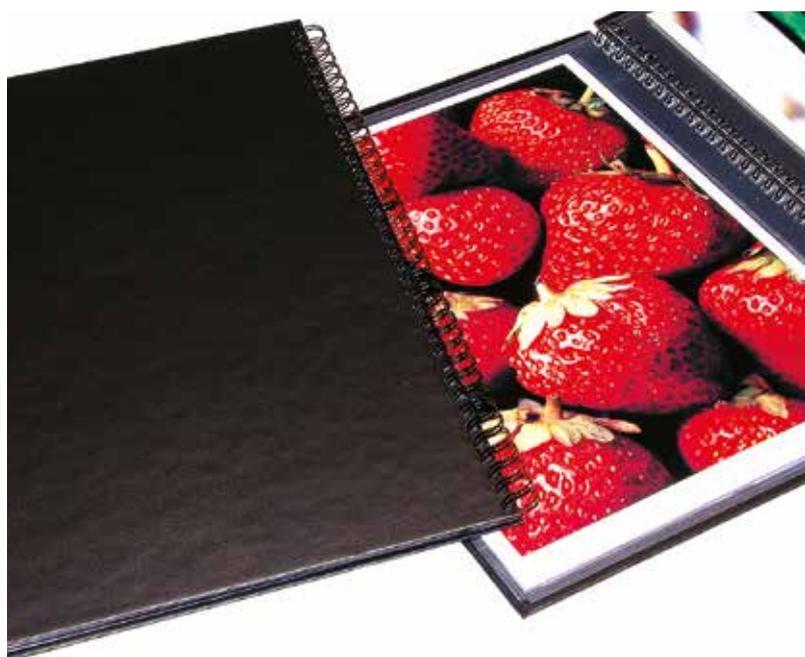
Heavy Duty Black Photo Mounting Pages

The acid-free, lignin-free, Perma/Dur® Black Mounting Pages. Ideal background to mount photos, documents, prints and other items. Use them to replace damaging acidic pages found in most commercial binders. Sturdy 225gsm stock. Passed the Photo Activity Test. Buffered with 3% calcium carbonate for increased protection. 3 hole punched. Overall size: 280mm x 217mm (8-1/2" x 11")



PRODUCT CODE	DESCRIPTION	PACK SIZE	PRICE
745-8511	Mounting Pages	Pkg 50	£12.75

Wire Bound Albums/Portfolio Edition



Wire bound portfolio edition albums feature two popular presentation sizes: 8.5 x 11" (216 x 279mm), 11 x 14" (279 x 355mm). Matt black cover material. The portfolio album comes with 12 high clarity 125 micron polypropylene print preservers.

Black wire secures preservers and allows for easy turning. Wire binding allows album to lie flat during presentations. Portfolio edition wire bound albums are a professional and functional way to display your work. Archival quality, acid-free. Ideal for digital prints. **Price Each**

PRODUCT CODE	DESCRIPTION	SIZE (W X H)	PRICE
652-0510	Holds 24 8.5 x 11" Prints	252 x 303mm	£7.64
652-0610	Holds 24 11 x 14" Prints	316 x 379mm	£11.83

▶ **PEL Three Ring Boxbinder**

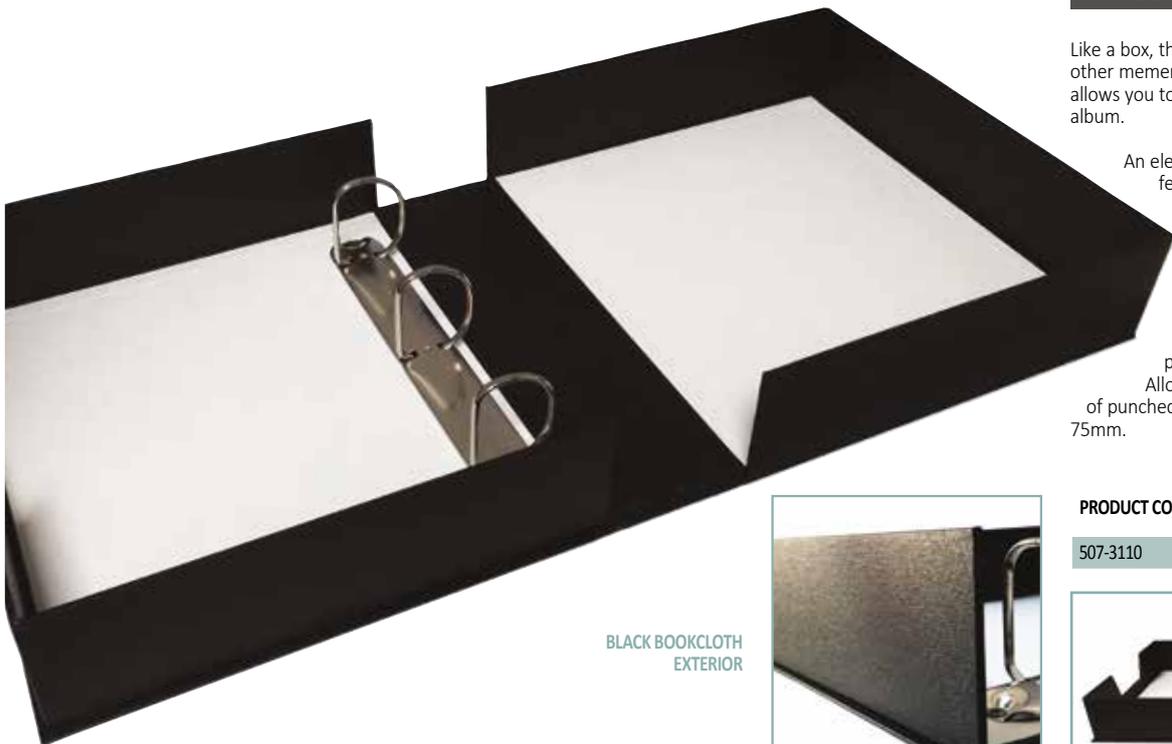
Like a box, this format protects your photographs and other mementos from damaging dust and light, yet allows you to enjoy and share the memories like an album.

An elegant embossed black book-cloth exterior features an acrylic coating to resist moisture. The acid-free Perma /Dur® lined interior assures you your collection is safe from natural deterioration.

**External dimensions** - 350mm (w) x 335mm (h) x 85mm (d) allows you to choose the page format that best suits your particular needs.

Allows for a page size of 240mm (from centre of punched hole - Wide) x 325mm (h). Internal Depth 75mm.

PRODUCT CODE	WT	PRICE EACH
507-3110	1.09g	£33.95



BLACK BOOKCLOTH EXTERIOR



See pages 42-43 for a wide range of Printfile binder pages designed for archival storage of photographs, slides and negatives.



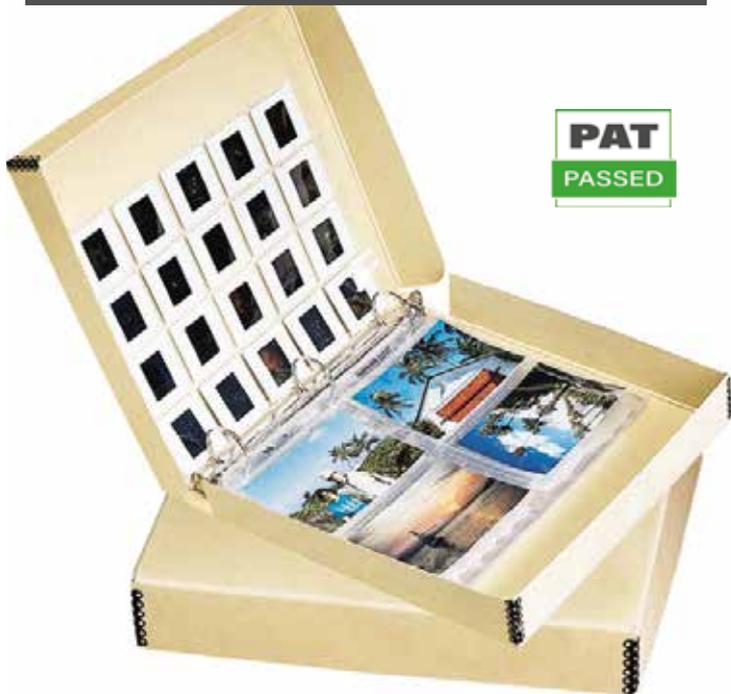
▶ **PEL Four Ring Binder**

This archival quality, BoxBinder is manufactured using heavy duty, acid-free Board. The outer layer is covered with an elegant, yet durable, high grade bookcloth to help repel dust, dirt and fingerprints. The interior is lined with black, acid-free, paper. Four 38mm D Rings are incorporated to secure archival 4-hole polyester pocket pages. The standard 4 rings can be used for most 4 hole punched pages. Internal dimensions: 330mmH x 287mmW x 60mmD. **Price Each.**



PRODUCT CODE	SIZE	PRICE
507-PBP1	330mm x 287mm x 60mm	£31.95

➤ Preservation Box / Album



Enjoy all the safety and security an archival quality box provides, along with the organisational capabilities an album offers. The Preservation Album/Box is manufactured with 1300gsm. acid-free, lignin-free tan boxboard using metal edge construction to create this clamshell design.

A 1-1/2" plated steel O-ring mechanism secures whichever standard size pages you choose to include. Protect photographs, negative, slide collections, or documents. An ideal vehicle for transporting your collection. A Velcro enclosure is included for additional security. The Album/Box measures 12-3/4" x 11-3/4" x 2" when closed.

PRODUCT CODE	SIZE (MM)	PRICE
799-1112	Tan (324 x 299 x 51mm)	£12.45

➤ Archival Photo Files

Like a box, this format protects your photographs and other mementos from damaging dust and light, yet allows you to enjoy and share the memories like an album.

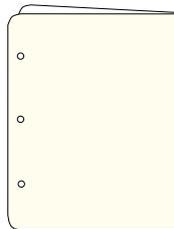
An elegant embossed black book-cloth exterior features an acrylic coating to resist moisture. The acid-free Perma/Dur® lined interior assures you your collection is safe from natural deterioration.



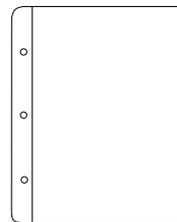
The large capacity 64mm slanted 'D' rings provide plenty of room for a lifetime of memories. An overall size of 337 x 311 x 76mm allows you to choose the page format that best suits your particular needs. Choose from a variety of styles and formats (Featured in this catalogue). Price each.

PRODUCT CODE	DESCRIPTION	PRICE
462-3030	Black	£29.95 each
462-3070	Blue	£29.95 each
462-3090	Burgundy	£29.95 each
670-4757	4" x 6" (102 x 152mm) Envelopes pk 25	£5.20

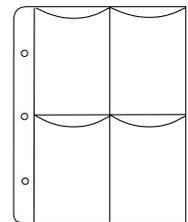
➤ Infinity™ 100%/Polyester Archival Album Pages



**A.** Page protectors 50 micron to fit 216mm x 279mm sheets. overall size: 230mm x 281mm, with acid-free Ivory insert sheets.



**B.** Pocket page 75 micron to fit 216mm x 279mm sheets, sealed on 3 sides open at top 216mm side. Overall size: 248mm x 286mm.



**C.** 4 pocket page 75 micron to fit 86mm x 140mm photos or cards. Pockets are top opening and sealed on 3 sides. Overall size: 248mm x 286mm.

We've added a new dimension to the convenience of organiser pages by manufacturing them from the most permanent and stable of all plastics - Polyester.

Now you can store your photos and other collectibles quickly, conveniently and confidently. Archival Organiser pages contain no harmful plasticisers, and will not become brittle or yellow. They are inert, chemically stable, crystal clear, and have a high tensile strength.

The exclusive welding process creates pages without sharp edges which will enhance and protect the items enclosed for decades to come. Page protectors (styles A & D) are now available in your choice of acid-free, Ivory Perma/Dur®. We recommend using mounting corners. Available for 3-ring binders in a variety of styles and configurations. Sold in packages of 50.

PRODUCT CODE	DESCRIPTION	WT	QTY/PK	PRICE
A. 780-8511	Page protector open on 3 sides	0.95kg	50	£31.95
B. 533-5811T	Pocket page sealed on 3 sides	0.95kg	50	£53.20
C. 533-5811P	Four pocket page	0.95kg	50	£84.05

➤ Archival Album

Standard 3-ring archival album ideal for Print File preservers. Embossed leather-like black exterior, black interior and satin black 40mm D-rings.

Offers good security since it makes it virtually impossible to open the D-rings without an audible loud snap. The 40mm 3-ring mechanism allows ease of page turning especially when in constant use. Holds up to 100 album page preservers.



PRODUCT CODE	OVERALL SIZE	WT	PRICE
416-ALBG	282 x 340 x 70mm	712g	£22.95
416-ALBS	280 x 301 x 66mm	620g	£22.20

➤ Economy Album (not shown)

Accommodates Print File preservers and allows you to store a wide variety of print sizes in one convenient album. An economical alternative hard-wearing album available at a moderate price. The 3-ring (25mm) gives a capacity up to 50 album page preservers. Holds up to 50 album page preservers.

PRODUCT CODE	OVERALL SIZE	DESCRIPTION	PRICE
416-ARCS	280 x 295 x 47mm	Fits standard 3 ring and multi hole pages	£8.37

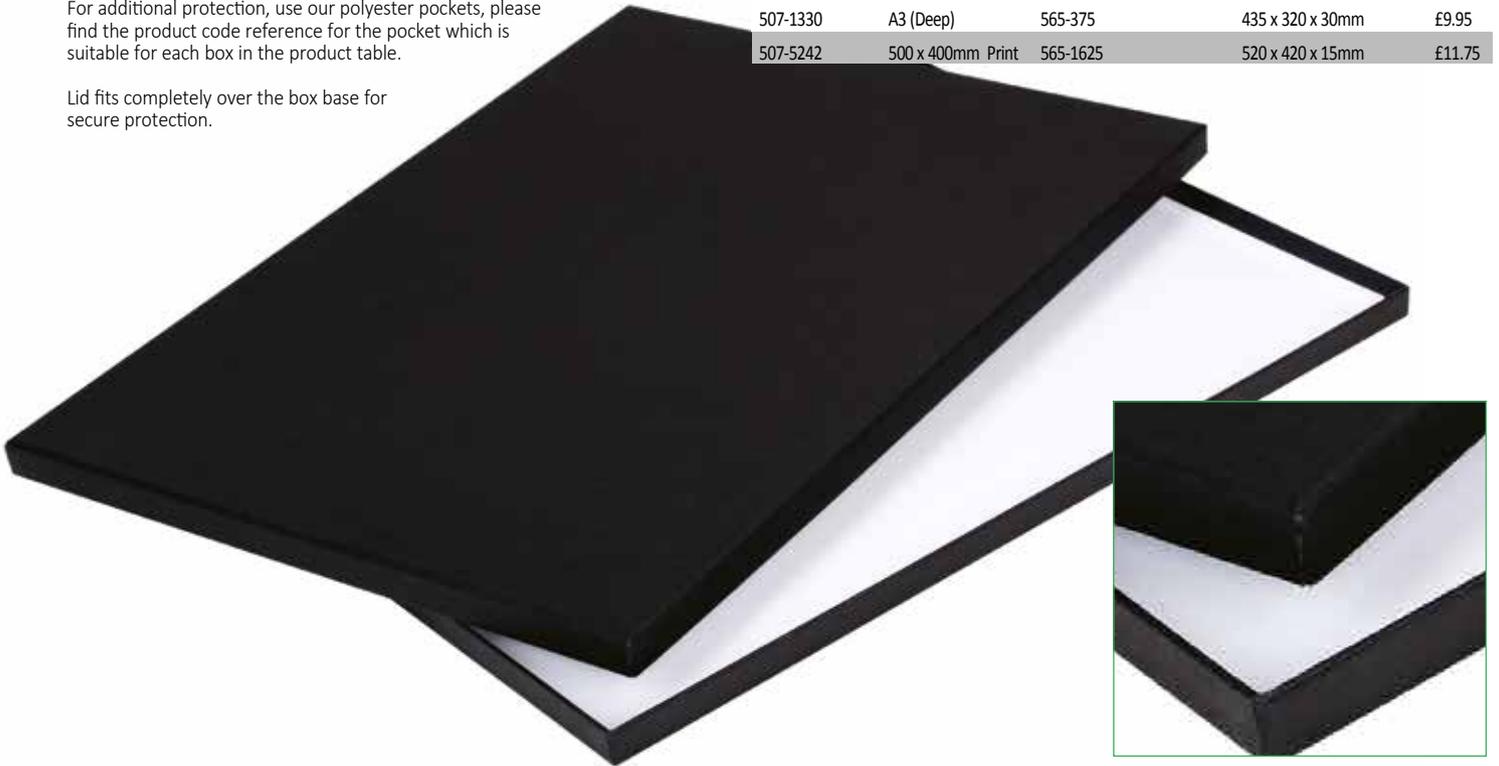
Archival Print Boxes - Slimline

Made exclusively for PEL, these archival print boxes are ideal for single prints and other works of art on paper. The print boxes are made with acid free board covered in black book cloth. The white acid free interior assures you that your collection is safe from natural deterioration. The small capacity is 15mm deep which allows storage for a small selection of sheets ensuring damage is removed from over filled deep boxes of documents.

For additional protection, use our polyester pockets, please find the product code reference for the pocket which is suitable for each box in the product table.

Lid fits completely over the box base for secure protection.

PRODUCT CODE	FORMAT	POLYESTER POCKET	INTERNAL SIZE	PRICE
507-1005	A5	565-575	225 x 160 x 15mm	£6.75
507-1004	A4	565-475	310 x 225 x 15mm	£7.20
507-1003	A3	565-375	435 x 320 x 15mm	£8.10
507-1002	A2 plus	565-275	660 x 440 x 15mm	£12.95
507-1430	A4 (Deep)	565-475	310 x 225 x 30mm	£8.40
507-1330	A3 (Deep)	565-375	435 x 320 x 30mm	£9.95
507-5242	500 x 400mm Print	565-1625	520 x 420 x 15mm	£11.75



Archival Print Boxes - High Capacity

The A size acid free boxes are designed to store international paper sizes from A1 to A5.

Modern A size archival boxes have previously been hard to find, PEL is the only company to offer true archival conservation quality in the international A size as standard. The archival boxes are 50mm deep, the metal corners remove the need for adhesives which may dry out or off gas.

The boxes can be stacked, heavy full ones will not crush partly full or empty boxes due to the strength of the metal corners. The PEL matt black outside and white inside conservation boxboard is used for both purity and strength. The combination of our strong, durable 1.5mm thick board and metal edge construction make these boxes your best choice for lasting protection. Buffered with 3% calcium carbonate for additional protection from airborne pollutants.

For additional archival protection we have included the polyester pocket product code for each box.

PRODUCT CODE	FORMAT	POLYESTER POCKET	INTERNAL SIZE	PRICE
732-1005	A5	565-575	225 x 165 x 50	£4.95
732-1004	A4	565-475	315 x 225 x 50	£5.95
732-1003	A3	565-375	435 x 315 x 50	£7.95
732-1002	A2	565-275	610 x 435 x 50	£12.95
732-1001	A1	565-175	860 x 610 x 50	£15.25



For polyester pockets see page 51

Print File Negative and Photograph Preserver Pages



35-10P (287mm x 251mm)  
**416-3510**  
 Holds ten 3.5" x 5" prints.  
**£7.37 25 pack**



45-8P (278mm x 235mm)  
**525-4050**  
 Holds eight 4" x 5" prints  
**£7.37 25 pack**



46-4M (260mm x 184mm)  
**416-464M**  
 Each album page holds 4  
 4" x 6" prints along with  
 one strip of four 35mm  
 negs. **£5.55 25 pack**



46-6P (278mm x 235mm)  
**525-4660**  
 Holds six 4" x 6" prints  
**£7.37 25 pack**



46-4G (236mm x 327mm)  
**525-4664\***  
 Holds six 4"x6" prints  
 only fits album 416-ALBG  
**£8.10 25 pack**



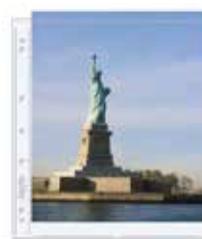
46-8G (327mm x 236mm)  
**525-4680\***  
 Holds eight 4" x 6" prints  
 only fits album 416-ALBG  
**£8.10 25 pack**



57-4P (278mm x 235mm)  
**416-52572**  
 Holds four 5" x 7" prints  
**£7.37 25 pack**



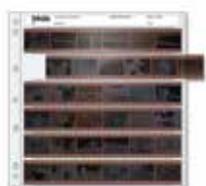
810-2P (278mm x 235mm)  
**416-8101**  
 Holds two 8" x 10" prints  
**£7.37 25 pack**



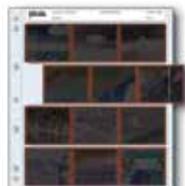
811-2P (303mm x 250mm)  
**416-62013\***  
 Holds two 8.5" x 11"  
 documents or prints  
**£7.37 25 pack**



See Page 40  
 for archival albums.



35-6HB (254mm x 248mm)  
**525-3560**  
 Holds six 6 frame 35mm  
 strips, 36 frames total;  
 contact prints on 8.5" x 10"  
**£18.56 100 pack**



120-4UB (287mm x 252mm)  
**525-1267**  
 Holds twelve frames of  
 6x7cm 120 film  
**£20.84 100 pack**



35-7BXW (293mm x 253mm)  
**525-3507 ex-wide**  
 Holds seven 6 frame  
 35mm strips, 42 frames  
 total.  
**£20.84 100 pack**



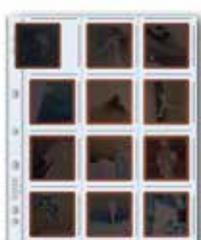
35-7 (293mm x 253mm)  
**527-3542**  
 Holds seven strips of 6  
 frame 35mm, 42 frames  
 total  
**£8.82 100 pack**



35-6HBXW (276mm x 248mm)  
**525-3506 ex-wide**  
 Holds six 7 frame 35mm  
 strips, 42 frames total  
 contact prints on 8.5" x  
 11" **£20.84 100 pack**



120-4B (287mm x 217mm)  
**525-1240**  
 Holds 12 frames of  
 6x4.5cm, or 8 frames of  
 6x7cm 120 film, contact  
 prints on 8"x10"  
**£18.56 100 pack**



225-12HB (303mm x 251mm)  
**525-2512\***  
 Holds twelve 6x6cm  
 frames of 120 mounted  
 or unmounted  
 transparencies or negs  
**£26.57 100 pack**



45-4B (284mm x 235mm)  
**525-4544**  
 Holds 4 4"x5" negative  
 or tran; contact prints on  
 8"x10"  
**£18.56 100 pack**



120-9HB (295mm x 225mm)  
**525-12067**  
 Holds nine individual  
 frames of 120 film up to  
 6x7cm; contact prints on  
 8"x10"  
**£7.37 25 pack**



810-1HB (267mm x 235mm)  
**525-8101**  
 Holds one 8"x10" sleeved  
 negatives or transparency;  
 contact prints on 8"x10"  
**£18.56 100 pack**

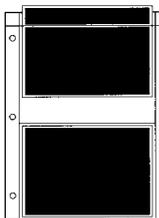


(302mm x 235mm)

**525-00A4\***

Holds A4 paper  
297x210mm

**£19.95 100 pack**



(302mm x 235mm)

**525-00A5\***

Holds two A5 sheets  
210 x 148mm

**£19.90 100 pack**

**Print File**  
ARCHIVAL STORAGE



Print File have appointed PEL as their European distributor.

The archival quality preservers are made from premium high clarity polypropylene which contains no harmful chemicals to cause deterioration during long-term storage. Independent laboratory tests prove Print File preservers store negatives, slides, transparencies, and prints safely. They have passed the Photographic Activity Test (PAT) per ANSI Standard IT9.2.

These archival preservers are acid-free, containing none of the plasticisers, catalysts, or solvents found in vinyl. We encourage you to compare our products with other brands, and we are confident our consistent quality will convince you. The overall dimensions are in brackets after the Printfile Product Code.

All Print File preservers are now multi-hole for 3 & 4 ring binders and have passed the PAT test.

Please check album or boxbinder dimensions against page dimensions when ordering.

\*Pages do not fit album 416-ALBS



120-3HB (267mm x 221mm)

**525-1241**

Holds 12 frames of 6x6cm, 9 frames of 6x7cm, or 15 frames of 6x4.5cm 120 film contact prints on 8"x10"

**£18.56 100 pack**



**525-4541**

Holds one 4"x5" sleeved negative or transparency

**£3.70 100 pack**

**525-5070**

Holds one 5"x7"

**£15.38 100 pack**



57-2B (284mm x 219mm)

**525-5720**

Holds two 5"x7" sleeved negatives or transparencies; contact prints on 8"x10"

**£18.56 100 pack**

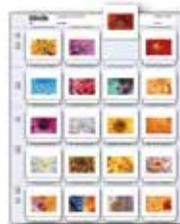


35-7B (284mm x 217mm)

**525-3571**

Holds seven 5 frame 35mm strips, 35 frames total; contact prints on 8" x 10"

**£18.56 100 pack**



2x2-20B (295mm x 238mm)

**525-2220**

Holds twenty 35mm mounted or unmounted transparencies or negatives

**£27.95 100 pack**

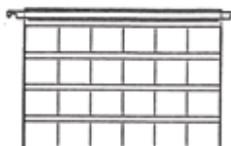


2x2-20H (279mm x 246mm)

**525-2225**

Holds twenty 35mm mounted transparencies, I.D. strip for each slide

**£27.95 100 pack**



(365mm x 265mm)

**525-3524**

Holds 24 mounted 35mm slides **£31.73 50 pack**

**466-PSHU** File Hanging bar for 525-3524 **£83.50 100 pk**



2x2-20HB (365mm x 265mm)

**525-3525**

Extra heavyweight 10mil, holds 20 x 35mm mounted transparencies **£7.75 25 pack**

# products in the pipeline

We're continually researching, developing, and working on our product range.

Cliff Gothorp is PEL's founder and, with his 30 years of experience in the industry, head of product development.

*"We're committed to providing the most complete range of products for conservators, archivists, indeed anyone working in the field of preservation or conservation at the best prices. That means innovation, communication and negotiation"*

We're expanding and investing in our product range to help you find the items you need, no matter what the project.

We work closely with conservators to test and ensure that the products we supply meet the specification you require.

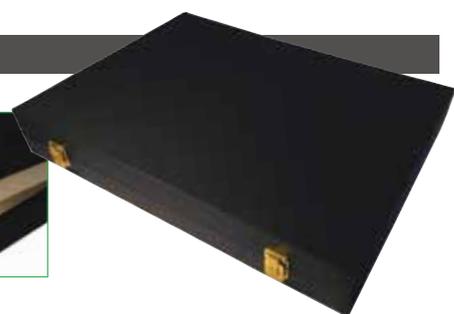
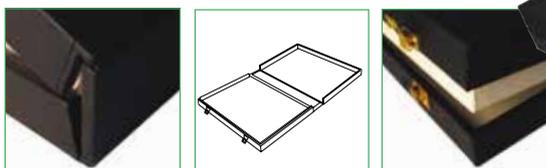
If you have issues sourcing a product, please let us know. We are happy to investigate options for you, we can use our global contacts to procure most products.

There are many items in this catalogue which have been recently added to our range, and there are many more to come over the next few months.

See our website for the most up-to-date product listings and stay informed by signing up to our email newsletter.

## → Solander Case

Coming soon



## → Finger Cots

Coming soon



## → Panoramic print boxes

Coming soon



## → LED & LUX Light Meter

Coming soon

All the functions you would expect from a light meter, plus the ability to measure LED light levels not possible with LUX meters.

## → Humidification Material

Coming soon

We're in the advanced stages of launching our new humidification material check our website for updates.



## → Foil protection bags

Coming soon

Protect from moisture, oxygen, UV light, mould & fungi growth and pests, with protective barrier foil enclosures.



## → Cleaning Cloths

Coming soon

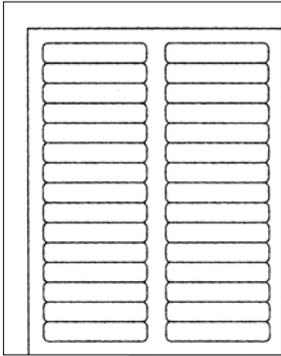
A new range of high quality cleaning cloths additional to our existing range of professional cleaning cloths.



**Perma/Seal® Laser Labels**

Choose either our regular acid-free Perma/Seal® laser labels for file folders, or Perma/Seal® foil-backed version. Both contain 30 individual file folder labels on one 8.5" x 11" sheet (two columns of 15 labels). Individual labels measure 3.44" x 0.67" (87mm x 17mm).

**Price per pack of 100** 216 x 280mm sheets of 3000 labels.



PRODUCT CODE	DESCRIPTION	WT	PRICE
377-4375	Perma/Seal®	410g	£28.35
387-0666	Foil Back Perma/Seal®	410kg	£36.96



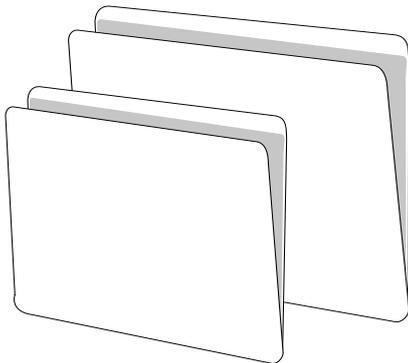
**Juris Expansion Folders**

These expansion folders have four scored flaps so that the folder thickness can be adjusted to accommodate varying amounts of loose or bound papers up to 30mm thickness. The seven scores allow easy creasing, each score is 5mm apart and no tools are needed to make the folder adjustment.

The folder card is acid-free, lignin-free, 245gsm file folder stock which is also buffered with a 3% calcium carbonate to help the control of migrant acidity. These light-fast, non-bleeding, soil resistant expansion folders are available in A4, letter and legal sizes.

The folders meet the Library of Congress specification and they have passed the PAT test. Please note PEL do not print or emboss these folders they are 100% plain. BEWARE of embossed printed folders that may overtime leave an impression on the papers inside.

**Price per package of 100**



PRODUCT CODE	STYLE	SIZE (W X H)	WEIGHT	PRICE
727-7044	A4	318 x 230mm (12.5" x 9")	3.2kg	£69.95
727-7011	Letter	285 x 225mm (11.25" x 8.75")	2.7kg	£59.95
727-7022	Legal	362 x 225mm (14.25" x 8.75")	3.6kg	£72.95

**Paper File Folder Inserts**

Protect Individual Documents During Hanging. Now you can separate and index your letters, documents and other materials before placing them into standard file folders with our water marked Perma/Dur® 90gsm paper file folders.

These individual folders provide extra support for each item and they are buffered with 3% calcium carbonate for an alkaline reserve to protect against migrant acidity. Developed in cooperation with the Library of Congress, these quality paper folders are sized to fit within a standard file folder and each has a full 14mm exposed rounded corner tab for indexing information. Available in letter and legal size.

**Price per package of 100 folders.**

PRODUCT CODE	DESCRIPTION	WT	PRICE
678-9119	letter 232 x 298mm (9.125" x 11.75")	1.09kg	£16.59
678-9149	legal 232 x 375mm (9.125" x 14.75")	1.27kg	£19.60



**Hanging File Folders**

Acid-Free, Lignin-Free. Developed by PEL for our customers who favour the simplicity and effectiveness of a hanging file system, but require archival quality folders. Available in both letter and legal size, these hanging folders are made from the same lignin-free, acid-free, buffered, Perma/Dur® tan folder stock that we use for our standard folders. Folders are mounted on standard hanging rods and include index tabs.

**Price per package of 25 folders.**

PRODUCT CODE	SIZE	WT	PRICE
727-1100	letter 298 x 240mm	1.6kg	£21.22
727-1400	legal 375 x 240mm	2.0kg	£23.05

➤ **Perma/Dur® Reinforced File Folders**

These acid-free and lignin-free folders offer maximum protection for storage of letters, documents and other materials. Made of our exclusive Perma/Dur® 260gsm folder stock, these full-cut file folders possess superior folding characteristics and outstanding strength qualities assuring long life and protection. Folders are lignin-free and acid-free with a strictly controlled pH level (8.5±) buffered with 3% calcium carbonate for an alkaline reserve to assure a safe and protective environment for material stored within these folders. Available in two light-fast, non-bleeding, soil resistant colours, in both letter and legal size.

**Price per package of 100 folders.**



**LIGHT TAN 13MM (0.5") EXPOSED TAB**

PRODUCT CODE	SIZE	PRICE
727-0912LT	9.625" x 11.75" (245 x 298mm)	£36.19
727-0915LT	9.625" x 14.75" (245 x 375mm)	£39.95

**LIGHT TAN 25MM (1") EXPOSED TAB**

701-0912LT	9.625" x 11.75" (245 x 298mm)	£30.95
701-0915LT	9.625" x 14.75" (245 x 375mm)	£36.95

**DARK TAN 13MM (0.5") EXPOSED TAB**

PRODUCT CODE	SIZE	PRICE
727-0912DT	9.625" x 11.75" (245 x 298mm)	£36.19
727-0915DT	9.625" x 14.75" (245 x 375mm)	£39.95

**DARK TAN 25MM (1") EXPOSED TAB**

701-0912DT	9.625" x 11.75" (245 x 298mm)	£33.95
701-0915DT	9.625" x 14.75" (245 x 375mm)	£36.95

➤ **Perma/Dur® Unreinforced File Folders**

Made from acid-free, lignin-free Perma/Dur® 260gsm stock in light tan for exceptional strength and endurance. Top margin has 1/2" exposed tab, straight cut and round corners. Price per package of 100 folders.

**LETTER SIZE: 241 X 298MM (9.5" X 11.75")**

PRODUCT CODE	SIZE	PRICE
727-1912	full cut 2.82kg	£29.51
727-3912	third cut 2.45kg	£29.25

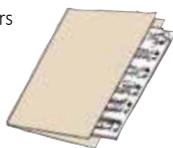
**LEGAL SIZE: 241 X 375MM (9.5" X 14.75")**

727-1915	full cut 3.82kg	£32.61
727-2915	half cut 3.59kg	£34.23
727-3915	third cut 3.45kg	£33.91

➤ **Perma/Dur® Sheet Music Folders**

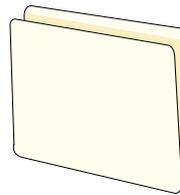
These generous 11 3/4" x 15 1/4" Perma/Dur® Sheet Music Folders are ideal for the protection and support of sheet music and small scores. Each folder is manufactured from 225gsm, acid-free, folder stock that is buffered with 3% calcium carbonate for additional protection against airborne pollutants. Folders fit nicely in our drop front storage box 733-1215.

**Price per package of 25 folders.**



PRODUCT CODE	SIZE	PRICE
701-1115	298 x 387 1.10kg	£19.14

➤ **Flush Cut File Folders for A4 size**

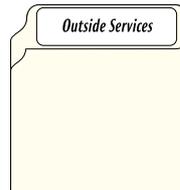


Flush Cut Acid-Free Folders designed for A4 papers. Made from acid-free buffered heavy weight attractive 244gsm paper with moderate porosity allowing the folder to breath. Will allow a quantity of papers to be stored in one single folder. No exposed tab makes the Flush Cut File Folders suitable for archival box storage.

**Price per package of 100 folders.**

PRODUCT CODE	SIZE	PRICE
701-1209	12.2" x 9.05" (310x 230mm) A4 2.75kg	£30.80

➤ **File Folder Labels**

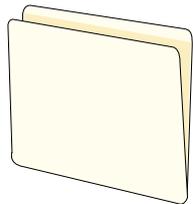


Pin-fed labels sized specifically for use on file folders. Made of our foil-backed label stock with aggressive acrylic adhesive that will not yellow, crack or peel with age. Package of 1000 labels, fanfolded for use on your computer, word processor or typewriter.

**Price per package.**

PRODUCT CODE	TO FIT TAB SIZE	DIMENSIONS	WT	PRICE
387-3736	half cut	0.75" x 4" (19 x 100mm)	0.45kg	£22.33
387-3301	third cut	1" x 3.5" (24 x 89mm)	0.55kg	£17.36

➤ **Manuscript Folders**

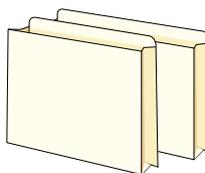


Acid-free, lignin-free, Perma/Dur® stock Manuscript Folders provide ultimate protection for long-term storage of important papers. Your manuscripts and other meaningful documents benefit from the 3% calcium carbonate buffer which helps to control migrant acidity. The light-fast, non bleeding, soil resistant 260gsm. folders are available in both letter and legal size, with a 25mm tab and rounded corners.

**Price per 100 folders .**

PRODUCT CODE	SIZE	PRICE
701-1913	10" x 11.75" (254 x 298mm) 3.45kg	£44.74
701-1915	10" x 14.75" (254 x 375mm) 3.86kg	£46.62

➤ **File Pockets**

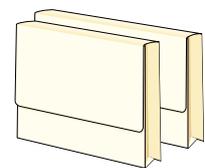


Access the contents of your file pockets without pulling the files out or tugging open the flap. These vertical file pockets combine instant access to documents afforded by the open design with the safety of archival quality materials. One piece construction file pockets are made of sturdy 293gsm acid-free folder stock with an alkaline reserve and have a 25mm exposed reinforced extended back for labelling. Pleats for 25mm expansion also give the file a firm base on which to stand. Choose either letter or legal size.

**Price per package of 10 folders.**

PRODUCT CODE	SIZE	PRICE
727-8111	letter 11.75" x 9.5" (298 x 230mm + 25mm flap) 2.82kg	£21.85
727-8141	legal 14.75" x 9.5" (375 x 230mm + 25mm flap) 3.45kg	£22.40

➤ **Expansion Folders**



Accordion pleats on sides and bottom fulfil a variety of archival storage needs. Excellent for groupings of manuscripts, pamphlets, music or any items with expansion potential. Made of sturdy, 293gsm acid-free folder stock with alkaline reserve for long life. Pre-scored, large, overhanging flap folds easily. Expands to 1-1/2" (38mm).

**Price per package of 5 folders.**

PRODUCT CODE	SIZE	PRICE
727-2012	letter 12.25" x 10.25" (311 x 260mm) 0.32kg	£12.30
727-2015	legal 14.75" x 10.25" (375 x 260mm) 0.41kg	£14.60

## Perma/Dur® Map & Print Folders

These completely acid-free and lignin-free Map and Print Folders provide an excellent means of storing and protecting maps, prints, and broadsides. Manufactured from .010 light tan Perma/Dur® with a pH of approximately 8.5, reducing the possibility of paper discolouration and ink fading. Straight cut for safe, convenient storage. Flush folded and reinforced with acid-free tape for added protection. Special size requirements available.

**Price per package of 10 folders.**



PRODUCT CODE	SIZE	PRICE
701-7046	Size 457mm x 610mm (18" x 24") Pkg 10	£28.36
701-7047	Size 508mm x 610mm (20" x 24") Pkg 10	£33.84
701-7048	Size 508mm x 762mm (20" x 30") Pkg 10	£38.61
701-7049	Size 610mm x 914mm (24" x 36") Pkg 10	£51.72
701-7050	Size 610mm x 1016mm (24" x 40") Pkg 10	£56.32
701-7052	Size 762mm x 1062mm (30" x 42") Pkg 10	£55.90
701-7053	Size 813mm x 1016mm (32" x 40") Pkg 10	£62.36

## Large Print File Folders

Store your valuable prints and photographs in these folders to keep them clean and safe from bending. Heavyweight 135gsm, unbuffered lignin-free and acid-free ledger folders support photos while protecting them from atmospheric contaminants and migrant acidity. Folders are ivory coloured, with squared corners and flush folds so they neatly fit inside our standard print size boxes (see pages 14 and 15).

**Price per package of 25 folders.**

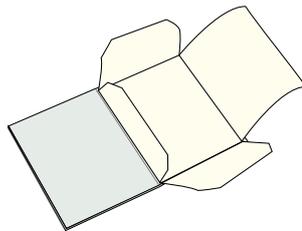


PRODUCT CODE	SIZE	PRICE
743-1418	Size 356mm H x 457mm W (14" x 18") Pkg 25	£30.14
743-1620	Size 406mm H x 508mm W (16" x 20") Pkg 25	£38.00

## Document Preservation Folders

These folders are ideal for pamphlets or documents without much bulk. Store them vertically or horizontally. Sturdy grey genuine pressboard folders offer an inexpensive means of storing documents. The inner folder is sturdy Perma/Dur® which is acid-free, and lignin-free.

**Price per package of 5 Folders.**



PRODUCT CODE	SIZE	PRICE
323-1159	9" x 11.5" (229 x 292mm) 0.86kg	£27.33
323-1509	9" x 15" (229 x 381mm) 1.18kg	£28.70

## Extra Heavy Pamphlet Binders

Pamphlet binder with 40pt board, this superior heavyweight shelving or drawer binder protection for your most valuable documents and pamphlets.

Each binder is made of our acid-free and lignin-free 1mm rigid board with a 225gsm internal storage folder and a flexible 6mm spine. These binders are buffered with 3% calcium carbonate for an alkaline reserve, provides protection during handling or storage and may be shelved vertically. Features a 6mm spine for easy access and indexing.



PRODUCT CODE	SIZE	PRICE
801-1449	15" x 9-1/2" (381 x 235mm)	£9.50each

## Oversized Print Folders

**(for Panoramas, Albumen Prints & Colour Photos)**

Our long, continuous folders may be easily cut to size to fit your panoramas, oversize albumen prints and colour photos. Made of our unbuffered, lignin-free and acid-free 225gsm Perma/Dur® folder stock in a pale cream colour, these long flush cut folders are 12" and 24" high and 36" long. Simply cut the length and height to fit your requirements using a standard paper cutter or scissors. These durable folders provide protection from handling, dust and dirt and may be stored in standard size metal flat files. If you are storing on shelves, we recommend you put the folders in our tan drop-front print storage boxes (call our customer service for special sizes).

**Price per package of 25 folders.**

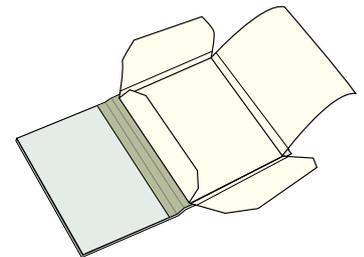


PRODUCT CODE	SIZE	PRICE
313-1236	12" x 36" (305 x 914mm) 2.64kg	£51.88
313-2436	24" x 36" (610 x 914mm) 4.95kg	£76.57

## Wide Spine Document Binder

Our Wide Spine Document Preservation Binders accommodate thicker pamphlets and small books with a full 13mm spine and 13mm expansion on interior folder. Binder is made of sturdy 725gsm, genuine Pearl Grey Pressboard with an acid free, lignin-free folder of 225gsm. Perma Dur®.

**Price per package of 5 binders.**



PRODUCT CODE	SIZE	PRICE
324-70102	7" x 10" (178 x 254mm) 0.77kg	£33.29
324-91152	9" x 11.5" (229 x 292mm) 1.00kg	£37.32
324-10132	10" x 13" (254 x 330mm) 1.23kg	£46.16

Unbuffered Glassine Envelopes

PEL acid-free translucent preservers are available in four standard sizes. The neutral pH glassine is unbuffered and allows you to see the negative without touching it. Envelopes are side seam style and open on one long side. The open side has a leading flap to allow easy inserting of negatives.

PRODUCT CODE	SIZE	PRICE PER 100 PK
375-5378	53mm x 78mm (2.09" x 3.07")	£2.60
375-5358	108mm x 134mm (4.25" x 5.25")	£6.50
375-5368	134mm x 184mm (5.25" x 7.25")	£6.95
375-2418	185mm x 250mm (7.25" x 9.85")	£9.95
375-3024	250mm x 310mm (9.85" x 12.20")	£15.15



Unbuffered Perma/Dur® Negative Envelopes

Sturdy Perma/Dur® Unbuffered Negative Envelopes are ideal for storage of negatives and photographs. On the recommendation of several photographic archivists, we have changed the seam design and added a new style without a thumb cut. The new side seam construction allows even stacking and filing, and prevents marring of the negative or photo within due to too much weight or pressure. Manufactured from a 120gsm lignin-free ivory stock with a pH of approximately 7.0 and a high alpha cellulose content. Seams are fastened with a neutral pH adhesive. Passes P.A.T. **Price per 100 envelopes unless otherwise stated.**

THUMB CUT	NO THUMB CUT	SIZE (MM)	(INCHES)	PRICE
800-4558	800-4558NC	111 x 137	4.375 x 5.375	£22.95
800-5378	800-5378NC	137 x 187	5.375 x 7.375	£31.19
	800-8060	222 x 172	8.75 x 6.75	£37.35
	800-6050	172 x 127	6.75 x 5	£28.70
800-8210	800-8210NC	216 x 267	8.5 x 10.5	£46.34

PACK OF 50 ENVELOPES

800-4388	800-4388NC	292 x 368	11.5 x 14.5	£52.33
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Buffered Perma/Dur® Negative Envelopes

PEL acid-free Perma/Dur® Negative Envelopes are available in three standard sizes. Each envelope features side seams for even filing and stacking, and are constructed using a neutral pH adhesive. The material is ivory coloured Perma/Dur® buffered with 3% calcium carbonate to help retard migrant acidity. Passes P.A.T. **Price per 100 envelopes.**

THUMB CUT	SIZE (MM)	(INCHES)	WT	PRICE
375-4358	111 x 137	4.375 x 5.375	0.68kg	£24.53
375-4368	137 x 187	5.375 x 7.375	0.82kg	£26.82
375-4378	216 x 267	8.5 x 10.5	1.27kg	£54.32

Paper enclosures

Paper enclosures are opaque and block light. Being porous, they help prevent the accumulation of moisture and gases. Viewing is more difficult since you must remove the item from the enclosure before you can see it. Handling can cause harmful fingerprinting and other damage. *Suggestion:* Use paper when items don't require frequent viewing. Select non-acidic paper enclosures that are of archival quality. Use buffered storage enclosures for cellulose-nitrate and early safety-film negatives, brittle prints, and prints on brittle acidic mounts. Use non-buffered enclosures for colour images, black and white prints, cyanotypes, or albumen prints.

**Perma/Dur® Envelopes**

PEL Ivory coloured Perma/Dur® Envelopes are an excellent acid-free and lignin-free storage device for all types of documents, pamphlets, clippings, etc. Manufactured from 120gsm sturdy Perma/Dur® stock, buffered with approximately 3% calcium carbonate. Each is constructed using a neutral pH (P.A.T. tested) adhesive and includes an non-gummed flap to help keep out dust and light. We have eliminated the centre seam which could mar the contents if too much pressure or weight is applied. Instead we have incorporated two side seams that are not only safer, but provide more even stacking and filing in large groups. No adhesive on flap. **Price per 100 envelopes.**

PRODUCT CODE	SIZE	WT	PRICE
381-0124	4.9" x 4.9" (124 x 124mm) CD	1.23kg	£15.60
381-0609	6" x 9" (152 x 229mm) A5	1.23kg	£33.64
381-6795	6.75" x 9.5" (171 x 241mm)	1.50kg	£34.95
381-7010	7" x 10" (178 x 254mm)	1.68kg	£35.05
381-7515	7.5" x 10.5" (191 x 267mm)	1.86kg	£38.90
381-0810	8.5" x 10.5" (216 x 267mm)	2.10kg	£41.15
381-0912	9" x 12" (229 x 305mm) A4	2.55kg	£49.32
381-1013	10" x 13" (254 x 330mm)	2.82kg	£53.34
381-1115	11.5" x 15" (292 x 381mm)	3.82kg	£64.61



**Heavy Duty Side Opening Envelopes**

These acid-free envelopes, ideal for filing loose materials, are made of 225gsm heavy weight buffered cream stock with an non-gummed flap. The acid-free stock protects the contents from atmospheric pollutants and migrant acidity. **Price per package of 25.**



PRODUCT CODE	SIZE	WT	PRICE
322-2300	9.5" x 11.75" (241 x 299mm)	0.9kg	£21.71
322-2301	9.5" x 14.75" (241 x 375mm)	1.14kg	£23.67

**Coin Envelopes**

Acid-free, paper coin envelopes with flap. Insert the coin, fold over the (non-gummed) flap to hold the coin.

Safe for handling, protecting from fingerprints, dust and dirt.

Expands to 1-1/2" (38mm).

**Price per package of 5 folders.**



PRODUCT CODE	SIZE	QUANTITY	PRICE
876-5050	50mm x 50mm	100	£5.35
876-COIN-S	50mm x 50mm	1000	£35.50

**"Open Wide" Envelopes**

Seamless "Open Wide" Envelopes offer unique storage for fragile documents and manuscripts. Items may be placed in or removed from these envelopes without damage in handling. Envelopes are acid-free and buffered for added protection against acid migration. May be stored flat or in storage boxes. Self-adhesive hook and loop are useful as an enclosure device. Five sizes available from stock. Special sizes available - please enquire. **Price per package of 5.**



PRODUCT CODE	SIZE	WT	PRICE
779-7010	7" x 10" (178 x 254mm)	136g	£9.42
779-9115	9" x 11.5" (229 x 292mm)	273g	£12.71
779-1013	10" x 13" (254 x 330mm)	273g	£15.44
779-1114	11" x 14" (279 x 356mm)	318g	£16.95

Archival Quality Polyethylene Bags **NEW** product

Protect prints and posters exposed to repeated handling with our archival 100 micron polyethylene bags. Prevent the damaging effects of dirty hands, dust and moisture.

- 100 micron uncoated polyethylene
- Chemically inert and will not harm your valuable artefacts
- PAT passed
- Non adhesive 50mm flap aids insertion of contents when open and prevents items from accidentally falling out once tucked in



Bags provide approximately 9.5mm extra space above the suggested print size for ease of use.



PRODUCT CODE	SIZE	PRICE
062-0570	Archival Polyethylene Bags 136mm x 178mm (5" x 7") Pkg 100	£6.30
062-0810	Archival Polyethylene Bags 213mm x 254mm (8" x 10") Pkg 100	£9.20
062-0912	Archival Polyethylene Bags 238mm x 305mm (9" x 12") Pkg 100	£10.85
062-1114	Archival Polyethylene Bags 289mm x 355mm (11" x 14") Pkg 100	£13.55
062-1620	Archival Polyethylene Bags 416mm x 508mm (16" x 20") Pkg 100	£23.40

Clear Archival Resealable Bag

Resealable pockets/bags in (BOPP) archival quality polypropylene. Adhesive strip on bag body to prevent snagging on contents.

311mm x 214mm open on one short side with 50mm flap.

Price per package of 100 bags.



PRODUCT CODE	SIZE	PRICE
063-0812	Clear Archival Resealable Bag - A4 Pkg 100	£14.50
063-1319	Clear Archival Resealable Bag 341mm x 489mm A3 Pkg 100	£32.50
063-1620	Clear Archival Resealable Bag 417mm x 514 Pkg 100	£35.30

Polyethylene Zipper Bags

Minigrip® plain resealable zipper bags made from 50 micron polyethylene, now available at very good prices giving excellent value. These simple efficient bags are completely inert and transparent. They have many uses in Museums, Archives and Libraries including storage of books, paintings, artefacts, fragments, geology, archaeological specimens and odd shaped objects. Bags are water resistant and offer a moisture barrier. Variety of sizes for a variety of uses.

Pack 500 and 200 bags.



PRODUCT CODE	SIZE	QTY	PRICE
500-1000	40mm x 65mm (1.57" x 2.56")	500	£2.60
500-1001	60mm x 60mm (2.36" x 2.36")	500	£3.40
500-1005	115mm x 115mm (4.53" x 4.53")	500	£8.85
500-1006	100mm x 140mm (3.94" x 5.51")	500	£9.00
500-1008	75mm x 190mm (2.95" x 7.48")	500	£8.70
500-1105	50mm x 230mm (1.97" x 9.06")	500	£10.25
500-1100	150mm x 230mm (5.90" x 9.06")	200	£7.70
500-10A4	230mm x 325mm (9.05" x 12.80")	200	£11.95
500-1014	255mm x 355mm (10.04" x 13.98")	200	£14.50
500-1016	330mm x 455mm (13" x 17.91")	200	£21.90
500-1017	380mm x 510mm (14.96" x 20.08")	200	£27.45

Polypropylene postcard protector pockets

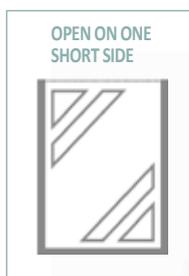
High clarity, archival quality, 75 micron polypropylene postcard pockets provide inexpensive protection for your collection. PAT passed, ideal storage to protect from dust and fingerprints. Sealed on three sides with a 1.6mm lip on the open side for ease of use.



PRODUCT CODE	SIZE	PRICE
067-0450	Postcard Protectors 4 1/4" x 5 9/16" (108x135mm) Pkg 100	£4.75
067-0460	Postcard Protectors 4 1/4" x 6 3/16" (108x160mm) Pkg 100	£5.10
067-0570	Postcard Protectors 5 1/4" x 7 3/16" (133x188mm) Pkg 100	£8.00

Archival Polyester Pockets

PRODUCT CODE	FORMAT	BOX CODE	MICRON	SIZE (MM)	SIZE (INCH)	PRICE 25PK
565-33316	Lantern slides		75	92 x 114	4.5 x 3.62	£4.50
565-0503	Photo size		50	126 x 86	5 x 3.4	£5.00
565-0504	Photo size	799-0405	50	132 x 107	5.2 x 4.2	£5.00
565-4070	Photo size		50	146 x 95	5.75 x 3.75	£5.00
565-0604	Postcard	780-4612	50	152 x 102	6 x 4	£5.00
565-650	A6 + 10mm	799-6412	50	158 x 115	6.2 x 4.5	£5.50
565-1217	Photo size	799-0507	50	178 x 116	7 x 4.5	£6.00
565-0705	Photo size	799-0507	50	183 x 132	7.2 x 5.2	£6.50
565-550	A5 + 10mm	735-0906	50	220 x 158	8.6 x 6.2	£8.00
565-575	A5 + 10mm	735-0906	75	220 x 158	8.6 x 6.2	£9.50
565-0906	Photo size	735-0906	75	229 x 152	9 x 6	£10.00
565-1008	Photo size	733-8103	50	254 x 203	10 x 8	£10.00
565-1007	Comic size		50	267 x 190	10.5 x 7.5	£10.00
565-8105	Photo size	733-8103	50	260 x 210	10.25 x 8.25	£10.00
565-0810	Photo size	733-8103	75	260 x 210	10.25 x 8.25	£11.00
565-10105	Photo size		75	260 x 260	10.25 x 10.25	£12.00
565-1155	Photo size	733-9123	75	280 x 216	11 x 8.5	£11.00
565-1190	Print size	733-9123	75	292 x 235	11.5 x 9	£12.00
565-1285	A4 + 5mm	733-9123	75	304 x 216	11.97 x 8.5	£11.50
565-450	A4 + 10mm	733-1293	50	307 x 220	12 x 8.6	£10.50
565-475	A4 + 10mm	733-1293	75	307 x 220	12 x 8.6	£11.50
565-1297	Print size	733-1015	75	310 x 245	12.2 x 9.65	£12.50
565-1210	Photo size	733-1015	75	320 x 250	12.6 x 9.8	£13.50
565-1308	Foolscap		75	340 x 214	13.4 x 8.4	£13.00
565-09145	Photo size		75	356 x 232	14 x 9.13	£14.00
565-3617	Certificate		75	365 x 174	14.37 x 6.85	£16.00
565-14095	Photo size	735-3826	75	368 x 235	14.5 x 9	£17.00
565-1411	Photo size	733-2011	75	362 x 286	14.25 x 11.25	£17.00
565-1612	Photo size	735-4433	75	413 x 313	16.25 x 12.6	£22.00
565-350	A3 + 10mm	735-4433	50	430 x 307	17 x 12	£19.00
565-375	A3 + 10mm	735-4433	75	430 x 307	17 x 12	£22.00
565-4532	Newspaper	732-1813	75	450 x 320	17.7 x 12.6	£27.00
565-1915	Photo size		75	485 x 380	19.10 x 14.96	£32.00
565-1913	Photo size		75	488 x 335	19.2 x 13.2	£35.00
565-1625	Photo size	733-0211	75	513 x 413	20.2 x 16.25	£42.00
565-2117	Print size		75	533 x 432	21 x 17	£43.00
565-5537	Newspaper	732-1522	75	550 x 370	21.6 x 14.5	£42.00
565-275	A2 + 10mm		75	604 x 430	23.8 x 17	£48.00
565-2418	Print size		75	610 x 457	24 x 18	£52.00
565-2420	Photo size	732-2243	75	616 x 514	24.25 x 20.25	£59.00
565-6247	Newspaper	732-1925	75	625 x 470	24.6 x 18.5	£53.00
565-2618	Map print		75	660 x 458	26 x 18	£55.00
565-3022	Newspaper	732-2331	75	775 x 575	30.5 x 22.6	£74.00
565-175	A1 + 10mm		75	851 x 604	33.5 x 23.8	£82.00
565-3624	Map print		75	915 x 610	36 x 24	£94.00
565-3011	Print size		75	1016 x 635	40 x 25	£102.00
565-0575	OS map		75	1016 x 821	40 x 32.3	£130.00
565-3042	OS map		100	1060 x 750	41.73 x 29.53	£160.00
565-750	OS map		75	1060 x 750	41.73 x 29.53	£126.00
565-075	A0 + 10mm		75	1199 x 851	47.20 x 33.5	£158.00



PEL pockets are used for conservation quality archival storage for works of art on paper. Archivists and Conservators insist on polyester for glass clear, inert protection, knowing it will not crack or yellow with age. It's so strong it withstands constant handling.

Standard pockets are open on one short side. We also offer a complete range of sleeves which have both short sides open (see next page). We have included in the format column the nearest box size. You should ensure the size tolerance is acceptable and this is only a guide.

We can supply other sizes and configurations such as open two adjacent sides, long side and in sizes to suit your requirements. Prices on application, minimum quantities may apply. Contact our customer services department.

LARGE FORMAT POCKETS

PRODUCT CODE	FORMAT	MICRON	SIZE (MM)	SIZE (INCH)	£ 10PK
565-14586	Cabinet size	75	1450 x 860	57.07 x 33.86	£71.00
565-11786	Cabinet size	75	1170 x 860	46.06 x 33.86	£60.00
565-9011	Cabinet size	75	900 x 1100 open	35.43 x 43.31	£58.00
565-6086	Cabinet size	75	600 x 860 open	23.62 x 33.86	£35.00
565-3724	OS map	75	955 x 625	37.6 x 24.6	£39.00
565-4733	OS map	75	1200 x 841	47.25 x 33.1	£60.00
565-5137	OS map	75	1320 x 955	51.97 x 37.6	£71.00
565-5630	OS map	75	1422 x 762	56 x 30	£67.00

Polyester Film Marking Pens

Ideal for cataloguing polyester pockets with details of contents. Also used for overhead projection film. The ink cannot be easily removed, alcohol based, permanent and smudge-proof. Can be used on most smooth surfaces such as films, acetate, glass, plastic and metal. Price each.



PRODUCT CODE	LINE WIDTH	COLOUR	WT	PRICE
642-0050	0.5mm	Black	9g	£1.85

PEL manufactures polyester pockets in-house. Special sizes up to 1500mm x 1500mm, in thicknesses of 50 to 100 micron, are available. For special sizes contact Customer Services [info@pel.eu](mailto:info@pel.eu)

Archival Polyester Rolls

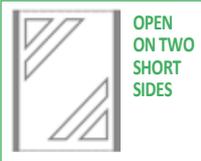
Polyester rolls are a convenient way of handling polyester especially when your requirements are for various sizes. We can supply special thicknesses and roll sizes however minimums will apply, contact our customer services department. Stock sizes are as shown and are available for immediate dispatch.

PRODUCT CODE	MICRON	SIZE (MM X M)	SIZE (INCHES X FEET)	PRICE
415-1250	125	1067mm x 50M	42" x 164ft	£130.75
415-1005	100	1067mm x 50M	42" x 164ft	£93.25
415-100	100	1067mm x 20M	42" x 65.6ft	£44.00
415-753	75	1067mm x 100M	42" x 328ft	£126.95
415-755	75	1524mm x 50M	60" x 164ft	£95.85
415-75	75	1067mm x 20M	42" x 65.6ft	£34.50
415-5020	75	500mm x 20M	12.7" x 65ft	£19.40
415-503	50	1067mm x 100M	42" x 328ft	£91.60
415-0050	50	1067mm x 20M	42" x 65.6ft	£27.40
415-12	12	1524mm x 100M	60" x 328ft	£34.60
415-36	36	1524mm x 50M	60" x 164ft	£49.70
415-0015	50	15mm x 100M	0.59" x 328ft	£5.95
415-0030	50	30mm x 100M	1.18" x 328ft	£6.95



Archival Polyester Sleeves

Polyester sleeves are open on two short ends and sealed on both long sides. We only use 100% archival polyester film in the manufacturing of these glass clear acid free sleeves. The material is identical to our polyester pockets. Another benefit of archival sleeves is the reduced risk of damaging the paper or photo when inserting into the sleeve. The natural cling of polyester helps to prevent the contents falling out. **Pack of 100 Sleeves.**



PRODUCT CODE	MICRON	SIZE (INCHES)	SIZE (MM)	FORMAT	PRICE 100PK
780-1913	75	19.2 x 13.18	488 x 335	Photo / Print	£84.00
780-1612	75	16.25 x 12.3	413 x 313	Photo / Print	£75.00
780-375	75	17 x 12	430 x 307	A3 +10mm	£69.00
780-350	50	17 x 12	430 x 307	A3 +10mm	£60.00
780-14095	75	14.5 x 9	368 x 235	Photo / Print	£55.00
780-1411	75	14.25 x 11.25	362 x 286	Photo / Print	£56.00
780-09145	75	14 x 9.13	356 x 232	Photo / Print	£51.00
780-1308	75	13.4 x 8.4	340 x 214	Foolscap	£45.00
780-1210	75	12.6 x 9.8	320 x 250	Photo / Print	£48.00
780-1297	75	12.2 x 9.6	310 x 245	Photo / Print	£45.00
780-475	75	12 x 8.6	307 x 220	A4 +10mm	£41.00
780-450	50	12 x 8.6	307 x 220	A4 +10mm	£35.00
780-1285	75	11.97 x 8.5	304 x 216	A4 +5mm	£39.00
780-1190	75	11.5 x 9	292 x 235	Photo / Print	£40.00
780-1155	75	11 x 8.5	280 x 216	Photo / Print	£40.00
780-1010	75	10.25 x 10.25	260 x 260	Photo / Print	£43.50
780-8105	50	10.25 x 8.25	260 x 210	Photo / Print	£34.00
780-0810	75	10.25 x 8.25	260 x 210	Photo / Print	£37.00
780-1008	50	10 x 8	254 x 203	Photo / Print	£34.00
780-0906	75	9 x 6	229 x 152	Photo / Print	£31.00
780-550	50	8.6 x 6.2	220 x 158	A5 +10mm	£27.00
780-575	75	8.6 x 6.2	220 x 158	A5 +10mm	£29.00
780-0705	50	7.2 x 5.2	183 x 132	Photo / Print	£23.00
780-1711	50	4.55 x 7	178 x 116	Photo / Print	£21.00
780-650	50	6.2 x 4.5	158 x 115	A6 +10mm	£20.00
780-0604	50	6 x 4	152 x 102	Postcard / Photo	£18.00
780-1495	50	3.75 x 5.75	146 x 95	Photo / Print / Postcard	£17.00
780-0504	50	5.2 x 4.2	132 x 107	Photo / Print / Postcard	£16.00
780-0503	50	5 x 3.4	126 x 86	Photo / Print / Postcard	£16.00



Archival Polyester Sheets

Polyester Sheets are used on our polyester sealing machines. Sheets are also used for interleaving and other conservation methods. Sheets remain perfectly flat, they do not curl like polyester cut from a roll. All sheets are supplied interleaved with tissue between each sheet. We offer convenient sizes however, we can supply sheets to your required size. Minimums will apply, contact our customer services department. **Pack of 100 sheets - 75 micron.**



PRODUCT CODE	SIZE (MM)	PRICE
415-175	A1 + 10mm 851mm x 604mm	£115.30
415-275	A2 + 10mm 604mm x 430mm	£58.25
415-375	A3 + 10mm 430mm x 307mm	£29.60
415-475	A4 + 10mm 307mm x 220mm	£15.15

➤ **Archival Quality Polyester Pockets**

Prints and posters exposed to repeated handling deserve to be protected from the damaging effects of dirty hands, dust and moisture. Polyester is the best material available for this purpose. Each pocket is manufactured from top grade archival polyester film, which is chemically inert and will not harm your valuable collection. Below are listed photographic sizes. We can make them to your size requirement, just contact our customer service department for a quotation.

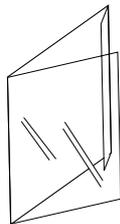
**Pack Quantity 25.**

PRODUCT CODE	SIZE	MICRON	PRICE
565-2420	24.25" x 20.25" (616mm x 514mm)	75	£59.00
565-2418	24" x 18" (610mm x 457mm)	75	£52.00
565-1625	20.2" x 16.25" (513mm x 413mm)	75	£42.00
565-1612	16.25" x 12.3" (413mm x 313mm)	75	£22.00
565-1411	14.25" x 11.25" (362mm x 286mm)	75	£17.00
565-1210	12.6" x 9.8" (320mm x 250mm)	75	£13.50
565-475	12" x 8.6" (307mm x 220mm)	75	£11.50
565-1155	11" x 8.5" (280mm x 216mm)	75 </td <td>£11.00</td>	£11.00
565-10105	10.25" x 10.25" (260mm x 260mm)	75	£12.00
565-0810	10.25" x 8.25" (260mm x 210mm)	75	£11.00
565-0906	9" x 6" (229mm x 152mm)	75	£10.00
565-650	6.2" x 4.5" (158mm x 115mm)	50	£5.50

➤ **Easy Access Photo/Negative Sleeves**

**With Self-Locking Flap**

Lightweight, clear polyethylene protectors provide long term protection for the storage and handling of your entire collection at very reasonable cost. Each protector opens on three sides for easy insertion or removal of materials and the captive flap seal provides a secure closure. Soft, less rigid transparent polyethylene will not scratch the emulsion side of your photographs and the protector will not yellow or crack with age. **Price per package.**



PRODUCT CODE	NEG/PRINT SIZE	WT	QTY/PKG	PRICE
511-0045	4" x 5" (102 x 127mm)	0.14kg	50	£5.95
511-0057	5" x 7" (127 x 178mm)	0.18kg	50	£8.95
511-0810	8" x 10" (203 x 254mm)	0.45kg	50	£15.50
511-1114	11" x 14" (279 x 356mm)	0.50kg	25	£16.25
511-1620	16" x 20" (406 x 508mm)	0.55kg	25	£25.50

➤ **Archival Polyester Sleeve Protectors**

An easy method for protecting your prints or other items from dust, dirt and scratches during storage and handling. Our best crystal clear sleeves make superb viewing easy without removing the item from the sleeve. Archival safe polyester material assures that neither the sleeve nor adjacent prints will chemically react with the enclosed print. Sleeves have the two long sides sealed and are open at each end for easy access. Sleeves may be marked with our film marking pen or labelled for identification with our acid-free foil-back labels

**Price per package.**

PRODUCT CODE	SIZE	MICRON	QTY/PKG	PRICE
780-1495	146mm x 95mm	50 Micron	Pkg 100	£17.00
780-0604	152mm x 102mm (4x6")	50 Micron	Pkg 100	£18.00
780-0705	183mm x 132mm (5x7")	50 Micron	Pkg 100	£23.00
780-1711	178mm x 116mm	50 Micron	Pkg 100	£21.00
780-0705	183mm x 132mm (5x7" Photo)	50 Micron	Pkg 100	£23.00
780-0810	260mm x 210mm	75 Micron	Pkg 100	£37.00
780-1155	280mm x 216mm (Letter size)	75 Micron	Pkg 100	£40.00



**Self-Sealing L-Velopes®**

Now you can protect your photos, ephemera, maps, or documents safely and easily between sheets of archival quality polyester using no adhesives! These Self-Sealing L-Velopes® are made of polyester to support their contents and protect them from stress, dirt, fingerprints and atmospheric pollutants. Great for temporary displays or items that need to be handled frequently. Self-Sealing L-Velopes are easy to use: two adjacent sides open (fig.1) so sheet slips safely in (fig.2) then flaps fold over to make a seal (fig.3). The process is just as easily reversible with no damage to contents.

**Price per package of 5 L-Velopes.**

PRODUCT CODE	MICRON	FITS UP TO	PRICE
738-0811	75	216 x 279mm (8.5" x 11")	£16.45
738-0912	75	229 x 305mm (9" x 12")	£16.50
738-1114	75	279 x 355mm (9" x 14")	£17.05
738-1117	75	279 x 432mm (11" x 17")	£15.35
738-1217	75	305 x 432mm (12" x 17")	£19.05



**Polyester L-Velopes**

These L-Velopes are sealed on 2 adjacent sides for easy insertion and removal of your valuable covers and documents. Static electricity in the archival polyester clings to materials, providing security while making complete enclosure unnecessary. One long side and one short side are thermo-welded for long life. Sturdy archival 75 micron archival polyester assures the utmost in safety, strength, clarity and longevity. Guaranteed non-yellowing and stable. **Price per package of 10.**

PRODUCT CODE	OUTSIDE DIMENSIONS OF L-VELOPES™	FITS BOX	PRICE
737-0810	210 x 260mm 8.25" x 10.25"	733-8103	£6.95
737-0912	235 x 311mm 9.25" x 12.25"	733-9123	£7.95
737-9514	241 x 362mm 9.5" x 14.25"	735-9123	£9.40
737-1114	286 x 362mm 11.25" x 14.25"	733-1153	£10.85
737-1714	442 x 365mm 17.375" x 14.375"	733-1418	£14.50
737-1620	413 x 514mm 16.25" x 20.25"	733-1623	£16.80
737-2420	514 x 616mm 20.25" x 24.25"	733-2024	£23.60

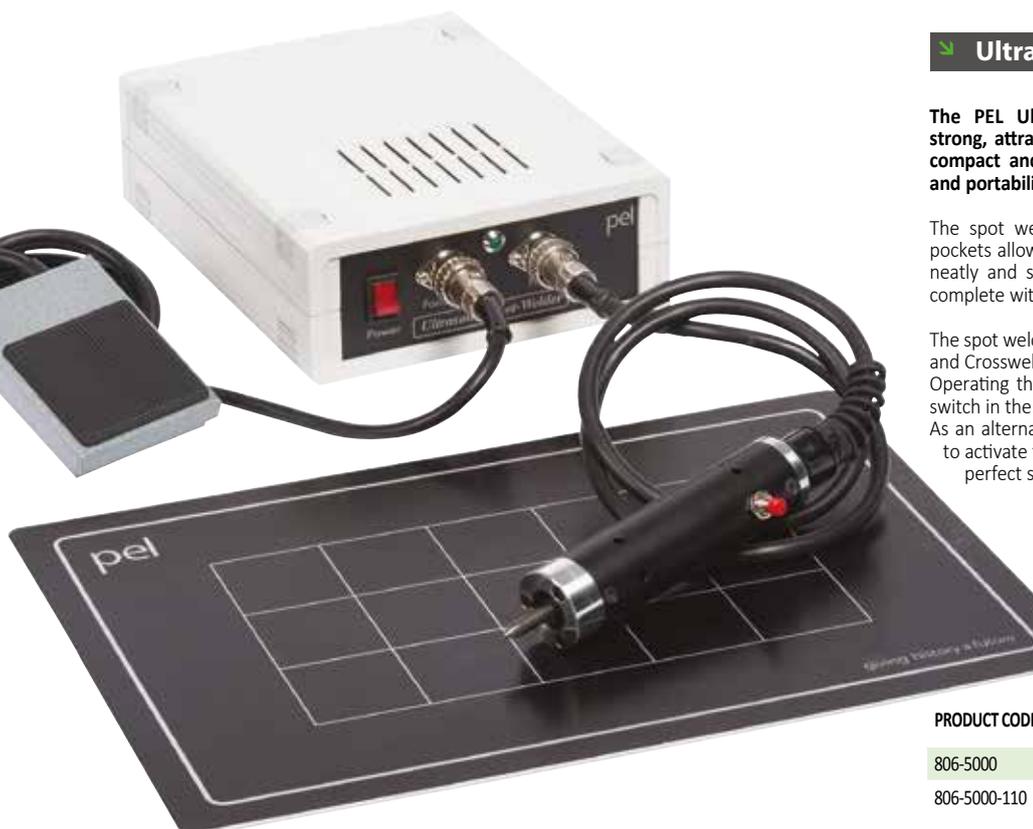


**Ultrasonic Spot Welder**

The PEL Ultrasonic Spot Welder produces neat, strong, attractive spot welds simply and reliably. It's compact and lightweight design offers easy storage and portability.

The spot welder is ideal for use with our polyester pockets allowing irregular shaped fragments to be held neatly and securely within a standard pocket. Comes complete with carry case.

The spot welder is a useful tool to use with our Monarch and Crossweld polyester sealing machines. Operating the Spot Welder is simple, press the button switch in the handle and you have an instant spot seal. As an alternative the unit is supplied with a footswitch to activate the Spot Welder. The built-in timer ensures perfect seal each time.



PRODUCT CODE	DESCRIPTION	PRICE
806-5000	Ultrasonic Spot welder - 240V	£2,895.00
806-5000-110	Ultrasonic Spot welder - 110V	£2,995.00

**Monarch Plus Sealing Machine**

**Make Your Own Polyester Envelopes & Encapsulation Units.**

This product has without doubt out-sold any other sealing machine, constantly being used by conservators worldwide. A truly reliable machine justifiably referred to by its users as "the best machine we've bought and so easy to use". The 750mm weld length allows continuous sealing for those really large charts, maps and photographs. The Monarch Plus will allow you to make any size polyester pocket or sleeve or completely encapsulate in seconds.

- **Power Supply:** 220/240 Voltage or 110 Voltage
- **Weld Length:** 750mm continuous
- **Dimensions (max):** 770mmW x 750mmD x 120mmH
- **Weight:** 18.2kg
- **Capacity:** 23 to 175 micron pockets



PRODUCT CODE	DESCRIPTION	PRICE
806-6000-240	240v Monarch Plus	£1590.00
806-6000-110	110v Monarch Plus	£1687.00
805-MP810	Spare Element 810mm	£24.00

**Warning**

The success of the Crossweld™ has attracted competitors to offer bag and flat tube machines with bottom element. We suggest these machines, designed for sealing low melt point polyethylene, are not suitable as a crossweld machine. To avoid disappointment, talk with customers who have purchased the Crossweld™, they will tell you how superior our machines are, that's why we make this statement.

The Crossweld™ is designed especially to suit the welding of polyester film, which requires a flat support surface both sides of the weld. The sealing of polyester film requires machines that have been manufactured for the precise welding of the very narrow band melt point of polyester film, if it's too high it will melt through the film, too low and it will not seal. The welding element must be fitted to the top moving jaw, not on the base/bottom as with bag sealers, this is essential for lining up the weld and sealing polyester to board

**Crossweld™ Polyester Film Sealing Machine**

Preservation Equipment Ltd's polyester sealing machines are recognised and trusted worldwide. After years of experience with the previous Crossweld we have now introduced the ultimate sealing machine. The Crossweld has been designed with health and safety approval and is no longer activated by a foot-switch to prevent accidental operation of the jaw mechanism. Not using jaws means you are not restricted by the jaw width, and can therefore continually weld very wide sheets, up to a maximum of 1400mm. The new style of operation allows much more room to work with the material you are sealing.

The working alignment grid squares can now be replaced when worn. The PTFE cloth protecting the welding element is simply replaced by winding new material into place from the roll attached to the machine, a real advantage for quality welds. We have increased the weld length to 700mm and you are no longer restricted to the width between the jaws as on the old machine. For wider material you can now continuously weld in any position from the edge to the centre, this is because the jaws are no longer used.



The heat compensating device uses the latest electronics to ensure consistent welds every time. The Crossweld can be used for sealing various thicknesses of polyester film, it will weld polyester to paper and board also other materials such as Reemay, Hollytex, Tyvek, PEL Softwrap and even bubble film can all be welded to make pockets and bags. We have made replacing the heating element so easy (not like the old machine), replacing the PTFE Cloth is even simpler. A floor mounting stand is available complete with adjustable feet.

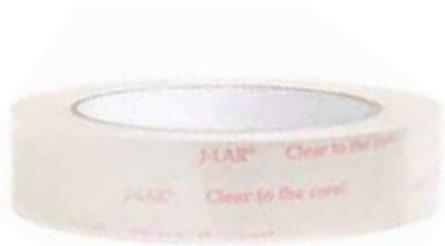
Comes complete with instructions, spare element and PTFE cloth. Each machine is shipped in a wooden crate arriving ready for use.

- **Weld length:** 700mm continuous
- **Dimensions:** 870 x 680 x 240mm high
- **Weight:** 58kg

PRODUCT CODE	DESCRIPTION	PRICE
806-7000	Power supply: 240 volts	£2195
806-7000-110	Power supply: 110 volts	£2295
806-7001	Spare heating element	£10.00
806-7002	Spare PTFE Cloth 700mm x 600mm	£39.00
806-7003	Base protection PTFE tape 19mm x 15m	£49.00

**Polyester Sealing Machines**

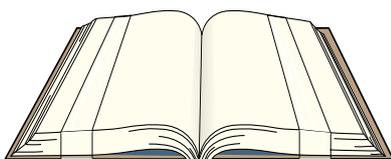
Our professional experience of polyester film sealing machines for conservation is recognised and trusted worldwide. Conservators work and choose carefully which is why they trust and purchase the Preservation Equipment machines.



➤ **J-Lar Transparent Tape**

J-LAR "Clear-to-the-Core" tape is used for joining coloured work without yielding any colour shifts and is ideally suited as a label protection tape also for edge sealing polyester pockets and sheets. This extraordinarily clear tape is acid free self adhesive with a clear polypropylene base.

PRODUCT CODE	SIZE	PRICE
425-9382	25mm x 66m	£5.99



➤ **Clear Polyester Strip**

Clear polyester plastic strips will keep books being held for binding in order, while at the same time allowing them to be shelved. This clear, non-adhesive strip can also be used to hold rare books open for exhibition while allowing patrons to read the type beneath. Simply cut the strips to the desired length, wrap around the pages of the open or damaged book and attach using tape or hook and loop fasteners.

**Price per roll.**

PRODUCT CODE	SIZE (W X H X D)	PRICE
415-0006	6mm x 100M (50 micron)	£4.95
415-0015	15mm x 100M (50 micron)	£5.95
415-0030	30mm x 100m (50 micron)	£6.95

➤ **Silicone Coated Polyester (Double)**

This clear polyester film is silicone coated on both sides, making an ideal release film for hot tables and Glass Vacuum Presses, as it allows work to be viewed during the mounting process. Furthermore it will last longer than release papers. Available in two thicknesses.

PRODUCT CODE	SIZE	PRICE
534-0023	1020mm x 25m Roll 23 Micron	£39.00
534-0050	1020mm x 25m Roll 50 Micron	£44.00

➤ **Silicone Coated Polyester (Single)**

Silicone coated one side only, ideal for use as a transparent membrane on vacuum hot tables, vapour treatment and other applications. 12 Micron

PRODUCT CODE	SIZE	PRICE
534-0012	1600mm x 45m roll 12 Micron	£172.00

➤ **12 Micron Polyester Film**

Used mainly for hot tables when lining paintings. Extra wide, very light clear strong film.

PRODUCT CODE	SIZE	PRICE
415-12	1523mm x 100m roll	£34.60



➤ **Film Marking Pens**

These fine-line film marking pens from Germany are far superior to the others we've tried. Ink dries within one second to a permanent, smudge-proof, waterproof mark on film, Mylar®, acetate, slide mounts, glass, plastic, metal and all smooth surfaces. Set of 4 includes one each: red, blue, green, and black.

PRODUCT CODE	SIZE	PRICE
871-2040	Black Only 40g	£1.95
871-2039	4 Film Markers 40g	£9.35



➤ **Double Sided Polyester Tape**

A double coated transparent tape used by the Library of Congress and many archivists. Use to attach sleeves and mounts to album pages and exhibition sheets. Also used in encapsulation to seal polyester film to another sheet of film, thereby forming an envelope around the document.

3M 415 glass clear double sided polyester tape is a grade not readily available outside the USA. The release liner allows perfect positioning of the tape, simply remove the liner once the tape is in position. Tape is permanent and should not be attached directly to works of art.

PRODUCT CODE	SIZE	PRICE
401-4151	6mm x 33m Roll	£8.95
401-4152	13mm x 33m Roll	£10.50
401-4153	25mm x 33m Roll	£21.95



➤ **Polyester Film Marking Pens**

Ideal for cataloguing polyester pockets with details of contents. Also used for overhead projection film. The ink cannot be easily removed, alcohol based, permanent and smudge-proof. Can be used on most smooth surfaces such as films, acetate, glass, plastic and metal.

PRODUCT CODE	LINE WIDTH	COLOUR	PRICE
642-0050	0.5mm	Black	£1.85



**A winning line-up of tapes**  
see pages 86-90

➤ **Tyvek Sheets - 1073D**

Tyvek® is a sheet of pure spun-bonded polyethylene olefin fibres. It is lighter, tougher, and longer lasting than paper. You can mark it with pencil, pen, typewriter or you can emboss images into it. Tyvek® is unaffected by water, most solvents and most fumigants. You'll find many uses for it: create washable labels for your textiles; cover padded displays; line shelves and display cases; create special enclosures. Tyvek® can be used with our neutral pH adhesive to reinforce book spines and hinges, or to line phase boxes. Also available rolls of 1443R and 1622E.

**Each sheet is 24" x 36" (900 x 640mm)**

PRODUCT CODE	SIZE	SHEETS	PRICE
212-9064	900mm x 640mm	50	£66.35
212-9000	900mm x 640mm	250	£287.60



➤ **PELfelt (Non-Woven Polyester)**

This non-woven polyester material is a great padding material for drawers, boxes, crates, etc. In addition, the material is often used to wrap mannequins and armatures that will be used to display vintage clothing.

Use as padding and stuffing for textiles on display or in storage. Approx 1/8" thick (3mm), White 120gsm.

PRODUCT CODE	DESCRIPTION	WT	PRICE
149-1000	1067mm x 50m	6.4kg	£57.95

➤ **Fosshape Heat Activated Fabric**



Fosshape is a material for producing costume mounts and can be easily formed with a wet or dry heat. Fosshape is Oddy passed and a specially engineered polyester material that is similar to a thick felt in a raw state. The product, when applied with wet or dry heat, can be easily shaped over a form; it retains its shape once cooled, making it ideal for low-cost costume mounts. Fosshape is durable for indoor or outdoor use, extremely lightweight and even breathable.

It saves valuable time and labour during the construction process, since no messy additives or drying/setup time required.

*Fosshape 300* is the medium grade, which weighs 300 grams per sq/ metre with a

thickness of about 4mm in the non-activated state.

*Fosshape 600* is a heavier grade, which weighs 600 grams per sq/ metre with a thickness of about 6.5 mm in the non-activated state.

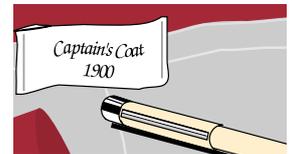
This truly versatile product could have a number of useful applications for mount-making and conservation. **Sold by the metre.**

PRODUCT CODE	SIZE	PRICE
164-0301	Fosshape 300 - 1143mm x 1 metre	£12.50
164-0601	Fosshape 600 - 1143mm x 1 metre	£21.95



➤ **Labelling Tape**

For textiles, record the catalogue no. of your textile collection with permanent, washable ink on this white woven 100% cotton twill tape and then stitch inside your artefact. Tape accepts ink well and is perfect for use with our Pigma Pens. **Price per roll.**



PRODUCT CODE	SIZE	PRICE
586-0172	25mm x 66m 1"W x 72yds	£20.40

➤ **Tyvek Bags**

Tyvek has proven to be a suitable material for many conservation and preservation requirements. This protective material has high tensile/tear strength in all directions because its constituent fibres are spun-bonded. The relatively slick surface is a further barrier and prevents snagging with fragile specimens. Used as geological bags and archaeological bags because they can be used outside, since the wet will not effect them.

The Tyvek Bags are frequently used for field specimens. The pull string closure enables the contents to be sealed inside the bag.

**Price per package of 100 bags.**



PRODUCT CODE	SIZE	PRICE
613-7057	127mm x 177mm (5" x 7")	£37.95



**For insect traps  
see page 123**



➤ Tyvek Garment Covers

Tyvek has proved to be a suitable conservation, archival material used in museums and archives to protect a range of works of art. Tyvek fulfils the function of a permeable non-abrasive waterproof, dustproof barrier. A proven protective cover for textiles, PEL's Tyvek Garment Covers provide a barrier to dust and spores and cannot support the growth of fungi or bacteria.

The conservation range includes garment covers and rail covers. Various sizes are available for jackets, coats and dresses. The zip enclosed covers provide full protection for larger, bulkier garments and are ideal for military uniforms and heavy greatcoats. A special tubular closure at the top allows for a hanger and tight fastening to prevent dust penetration. **Price each**

STANDARD GARMENT COVERS

PRODUCT CODE	DESCRIPTION	SIZE (MM)	PRICE
212-7000	Waist Coat Cover	860 x 630	£6.36
212-7001	Jacket Cover	980 x 630	£7.75
212-7002	Coat Cover	1400 x 630	£9.60
212-7003	Dress, long Coat Cover	1820 x 730	£11.95

GUSSETED GARMENT COVERS

PRODUCT CODE	DESCRIPTION	SIZE (MM)	PRICE
212-7004	Gusseted Cover	900 x 610 x 240	£10.65
212-7005	Gusseted Cover	1200 x 610 x 240	£14.60
212-7006	Gusseted Cover	1400 x 610 x 240	£16.65
212-7007	Gusseted Cover	1780 x 610 x 240	£22.25



GARMENT RAIL COVERS

Designed by conservators and professionally manufactured to give full protection from insect infestation, light and dust. The fully enclosed covers offer excellent protection for delicate clothing. **Price Each.**

PRODUCT CODE	SIZE D x H x W (MM)	PRICE
212-7020	Large Cover 1800 x 1500 x 610mm	£28.25
212-7021	Medium 1500 x 1450 x 610mm	£27.65
212-7022	Small Cover 850 x 1450 x 610mm	£22.90

➤ Blue Scale (Textile Fading Cards)

Test for effects of light on paintings, documents, and textiles with Blue Scales Fading Cards. Each card features pieces of wool cloth dyed with blue dyes of different degrees of fastness which are used as light fastness standards. They allow you to monitor the net exposure to light given to objects on display, and to alert conservators to adjust intensity of illumination. **Price each.**



PRODUCT CODE	WT	PRICE
986-1000	40g	£16.95

➤ Tyvek Padded Hanger Covers

Padded hanger covers give extra support when hanging historical garments, distributing the weight of the garment over a broad area. The smooth Tyvek covered surface prevents snagging.



These padded hanger covers are made from our own 1443R Tyvek and a filled with 100% needlepunch polyester felt, ensuring a conservation archival quality product. Each cover is hand sewn. Hanging historic garments maybe appropriate for textiles in good condition, however fragile costumes should be stored flat in archival boxes, please see our range of archival textile boxes. Hangers are not included, covers fit most common hangers. Internal size approx 475mm wide x 290mm deep from peak. **Price Each.**

PRODUCT CODE	DESCRIPTION	PRICE
613-7057	Padded hanger cover	£8.90

➤ Tyvek Rolls

PEL has for many years stocked high levels of Tyvek for immediate dispatch supplying museums in many countries worldwide. Tyvek® is used for shipping works of art, protecting textiles, also used to drape soft furnishing and sculpture figures during the winter months. Tyvek® tags and labels make labelling secure because Tyvek® 1433R is waterproof, does not tear or attract dirt and dust.

Tyvek® is reusable and recyclable. It's made from 100% HDPE, it contains no fillers or binders and it's inert. Tyvek® is a responsible choice for archival storage and protection for works of art. Tyvek® is a smooth, non woven mesh of 100% high-density polyethylene fibres. It feels smooth as paper and as soft as fabric. The material is lint-free, tear-resistant and water-resistant. **Price per roll.**

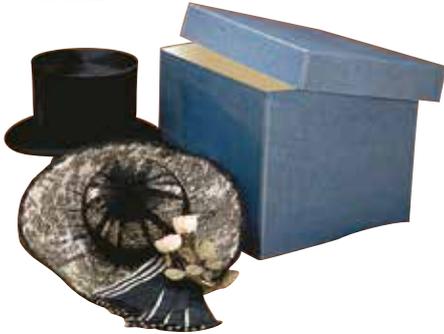


PRODUCT CODE	GRADE / SIZE	PRICE
212-1422	Tyvek 1433R 1524mm x 25M Roll	£42.50
212-1422100	Tyvek 1433R 1524mm x 100m Roll	£147.50
212-1422300	Tyvek 1433R 3000mm x 50M Roll	£206.40
212-7625	Tyvek 1433R 760mm x 25M Roll	£26.00
212-76100	Tyvek 1433R 760mm x 100M Roll	£86.00
212-1622	Tyvek 1622E 1524mm x 25M Roll	£42.50

➤ **Archival Hat Box**

The difficult task of finding suitable archival storage boxes for vintage hat collections is solved. Our hat boxes are made from 1300gsm, blue/grey unbuffered board with rust proof metal edges for superior support. Each box is 343mm square x 318mm deep with a telescoping cover which extends 64mm down.

**Price each.**



PRODUCT CODE	SIZE (MM)	WT	PRICE
736-5000	343 x 318 x 343	0.9kg	£15.78

➤ **Unbuffered Large Textile Boxes**



**Sturdy, durable storage containers are excellent for textiles, costumes, and other materials.** Unbuffered, blue/grey exterior and white lignin-free bond interior for complete protection. Reinforced metal edges combine with 1300gsm. boxboard to create a quality stackable box.  
**Price each.**

➤ **Ethafoam Conservation Hanger**

Aluminium hanger embedded in an Ethafoam block reducing stress on clothing. 394mm across shoulder, 25mm deep. 100% polyester padding and covered in polyester stockinette. Ideal for storage or display purposes. **Price Each.**

**NEW** product



PRODUCT CODE	DESCRIPTION	PRICE
333-6500	Conservation Hanger	£58.30

PRODUCT CODE	SIZE (L X W X H)	WT	PRICE
736-0775	30" x 18" x 6" (762 x 457 x 152mm)	1.64kg	£18.90
736-3024	30" x 24" x 5" (762 x 610 x 127mm)	2.41kg	£19.50
736-4018	40" x 18" x 6" (1016 x 457 x 152mm)	2.77kg	£22.85
736-6018	60" x 18" x 5" (1524 x 457 x 127mm)	3.36kg	£28.59
735-4118B	41" x 18" x 10" (1041 x 457 x 254mm)	4.27kg	£30.72

➤ **Archival Shoe Box**

The PEL shoe box is acid-free and buffered with 3% calcium carbonate to resist acid absorption from the atmosphere and adjacent materials. The metal edge removes the need for adhesives which may dry out or off gas. Boxes can be stacked due to the strength of the metal edge. The generous size makes the box suitable for men's and ladies shoes and similar artefacts. We recommend using acid-free tissue to fill voids with smaller shoes and other items.  
**Price Each.**



PRODUCT CODE	SIZE (MM)	WT	PRICE
735-1555	394 x 216 x 127mm	364g	£6.72

➤ **Corrugated Textile Storage Boxes**

Manufactured from sturdy, acid-free, lignin-free blue/grey corrugated board, these new Textile Storage Boxes contain a 3% calcium carbonate buffer for additional protection of costumes, period clothing, and other fabric items created from cellulosic materials. If storing proteinaceous fabrics, you should first wrap with an unbuffered interleaving tissue. Each of the two available sizes has a self locking design, half lid, and ships flat to save space and reduce shipping costs. The generous 6" height allows you to keep fabrics loosely folded.

**Price per carton of 5 boxes.**

PRODUCT CODE	SIZE (L X W X H)	WT	PRICE
613-3018	30" x 18" x 6" (762 x 457 x 152mm)	7.27kg	£135.53
613-4018	40" x 18" x 6" (1016 x 457 x 152mm)	9.55kg	£155.55



## Antique White Microchamber Mounting Board

## White Microchamber Mounting Board

### Microchamber® Mounting Board

Microchamber museum mount boards with their patented molecular trap technology have been proven to significantly outperform all other mount boards in the protection of framed art.

These boards are available in 100% cotton rag manufactured exclusively by Nielsen & Bainbridge. The boards contain zeolites which are molecular traps which collect airborne acidic pollutant gases. These harmful gases are then neutralised by an alkaline buffer of calcium carbonate. Therefore, within the micro environment of a sealed frame mounted with Microchamber, the ageing of artwork is considerably retarded.

The boards are sulphur and lignin free, have a pH of 8.9 and pass the Photographic Activity Test. Microchamber® boards are the only mount boards available that pass the ANSI IT 9.15 1992 for the blockage of acid/oxidising gasses.



PRODUCT CODE	COLOUR	SIZE (MM)	(INCHES)	THICKNESS	GSM	PACK	PRICE
700-8649	White	813 x 1016	32" x 40"	1 ply 350 micron	244	25	£102.00
700-8632	White	813 x 1016	32" x 40"	2 ply 700 micron	525	25	£165.50
700-86348	White	813 x 1016	32" x 40"	4 ply 1400 micron	1051	10	£124.70
700-86349	White	1016 x 1524	40" x 60"	4 ply 1400 micron	1051	5	£125.00
700-8660	White	1016 x 813mm	40" x 32"	8 ply 2800 micron	2107	5	£151.90
700-8656	Natural White	813 x 1016	32" x 40"	4 ply 1400 micron	1051	10	£124.70
700-86408	Antique White	813 x 1016	32" x 40"	4 ply 1400 micron	1051	10	£124.70
700-86409	Antique White	1016 x 1524	40" x 60"	4 ply 1400 micron	1051	5	£125.00
700-8645	Ivory	813 x 1016	32" x 40"	4 ply 1400 micron	1051	10	£124.70
700-0000	Sample Swatch					FREE	

## Heritage White Microchamber Mounting Board

## Natural White Microchamber Mounting Board

## Ivory Microchamber Mounting Board

Archival Conservation Mounting Board

Mount Boards from PEL are acid free, age resistant, conservation quality boards, designed to protect works of art and achieve the highest levels of presentation for framing. 100% bleed and fade resistant.

Features:

- Microchamber technology absorption of pollutants
- Passes the P.A.T photographic activity test.
- Produced with pigment (not dyes) to resist fading, solid colour all the way through the board core.
- Made with superior quality 4ply(1.5mm) 812 x 1016mm (32" x 40") purified alpha cellulose
- Buffered
- 1051gsm

Using PEL mounting boards gives the best possible protection from airborne environmental pollutants and acids. Used in some of the greatest institutions around the world.



AVAILABLE COLOURS:



PRODUCT CODE	SIZE	SHEETS	PRICE
714-8740	Solid White Size 812 x 1016mm (1.50mm)	Pkg 5	£44.45
714-8742	Solid Wheat Size 812 x 1016mm (1.50mm)	Pkg 5	£44.45
714-8744	Solid Malacca Size 812 x 1016mm (1.50mm)	Pkg 5	£44.45
714-8741	Solid Black Size 812 x 1016mm (1.50mm)	Pkg 5	£44.45



Framing accessories  
see pages 89-91



➤ **Perma/Dur® Folder Stock**

This 0.25mm thick folder stock is sturdy and durable, excellent for making special size folders, as a divider, or for backing prints. It is acid-free, lignin-free and buffered, with a pH of 8.5 (±.2). **Price per package of 100 sheets.**



LIGHT TAN

PRODUCT CODE	GRAIN	SIZE	WT	PRICE
750-1620	long	406 x 508mm	5.0kg	£57.44
750-3240	long	813 x 1016mm	18.6kg	£174.19

**Perma/Dur®  
Folder Stock**

➤ **Perma/Dur® Heavy Duty Folder Stock**

Similar to the Perma/Dur® Folder Stock (above) except 0.5mm thickness for extra stiffness. It has a variety of uses in addition to the construction of sturdy protective folders. Ideal for making phase boxes, vertical standing dividers, print backings, drawer liners, lightweight mats, etc. Caution must be used when folding as this stock must be scored and folded along the grain. Available in Light Tan. **Price per package of 50 sheets.**

PRODUCT CODE	GRAIN	SIZE	WT	PRICE
750-3040	long	762 x 1016mm	19.6kg	£178.58
750-4060	short	1016 x 1524mm	34.1kg	£325.78

**Perma/Dur®  
Heavy Duty  
Folder Stock**

➤ **Unbuffered, Lightweight Folder Stock**

This unbuffered, 135gsm paper is off-white in colour and has a pH between 7.0 and 7.5. It scores easily and has excellent folding characteristics. Great for making folders, envelopes, dividers or for interleaving, lining and printing. Sheet size is 32" x 40," grain long. **Price per package of 100 sheets.**

PRODUCT CODE	SIZE	WT	PRICE
670-3240	813 x 1016mm	15.5kg	£174.19

**Lightweight  
Folder Stock**

➤ **Corrugated Plastic Sheets**

This rigid, heat resistant, chemically stable copolymer of polypropylene and polyethylene features a sturdiness unmatched by corrugated paper boards. Tests have proven that Corrugated Plastic has significantly higher burst, puncture and edge and flat crush properties than B flute fibreboard. Corrugated Plastic will not burst on the Mullen Tester.

An ideal material for box making, print backing, picture framing, artefact support, and much more. Available in solid white, and translucent sheets for applications where some amount of visibility is preferred. Both are 4mm thick. **Price per carton of 25 sheets.**

PRODUCT CODE	COLOUR	SIZE	WT	PRICE
225-3040TR	Translucent	770 x 1000 x 4mm (30 x 40")	12.3kg	£69.50
225-3040	White	770 x 1000 x 4mm (30 x 40")	12.3kg	£69.50
225-4060	White	1040 x 1550 x 4mm (41 x 61")	24.6kg	£159.95

➤ **Acid-Free Foam Board**

This product was developed specifically for conservation quality framing. Designed to be used in direct contact with art work in framing as well as for backer boards, exhibits, displays and models. Cuts easily. Lightweight and sturdy, these boards are made from high quality neutral pH papers on an extruded polystyrene foam inner core 3mm or 5mm thick. **Packed 5 sheets per package. No broken packages. Save on 25 pack quantity.**

PRODUCT CODE	SIZE	SHEETS	PRICE
616-8771	3 x 813 x 1016mm (32" x 40")	5	£33.50
616-8771/25	3 x 813 x 1016mm (32" x 40")	25	£149.50
616-3240	5 x 813 x 1016mm (32" x 40")	5	£36.75
616-3240/25	5 x 813 x 1016mm (32" x 40")	25	£161.00
616-4060	5 x 1016 x 1524mm (40" x 60")	5	£58.00
616-4060/25	5 x 1016 x 1524mm (40" x 60")	25	£264.00

➤ **Bi-Corr Cross Direction Perma/Dur® Board**

Our exclusive blue/grey Bi-Corr™ Perma/Dur® acid-free and lignin-free corrugated board with cross direction corrugation offers exceptional strength without heavy weight. For making picture frame backings, special boxes, displays, or any application requiring an acid-free durable board. A 3% calcium carbonate alkaline reserve is added for protection from atmospheric pollutants.

**Sold in full cartons only.**

PRODUCT CODE	SIZE	SHEETS/CTN	WT	PRICE
613-4001	813 x 1219mm (32" x 48")	8	16.36kg	£261.05

➤ **Unbuffered Museum Mounting Board**

This 100% cotton mounting board is unbuffered with a neutral pH of 7.0. The pleasing soft-white colour will compliment most photographs and is desirable for matting albumen, chromogenic photographs and dye transfer prints which should not be stored in an alkaline environment. It is also an excellent choice for mounting textiles. Available 4 ply. Passes PAT test.



**Price per package.**

**4 PLY AVAILABLE IN 10 SHEET PACKAGE**

PRODUCT CODE	SIZE	SHEETS/CTN	PRICE
701-3240A	32" x 40" (813 x 1016mm)	10kg	£119.10





Corrugated Single Wall

Corrugated Double Wall

Bi-Corr™

➤ Acid-Free Buffered Perma/Dur® Archival Corrugated Board 'B' Flute

This strong, smooth, lightweight, pale blue-grey material is the ultimate in corrugated boards. Available in either single wall (approx. 3mm) or double wall (approx. 6mm) thickness, Perma/Dur® Corrugated Board is acid-free, lignin-free and alkaline buffered with 3% calcium carbonate added for an alkaline reserve in all three layers for maximum protection. This exclusive board is made of fully bleached virgin fibres and is unusually strong - an excellent choice for boxmaking, print backers, picture framing, dividers - wherever a sturdy, light board is required. **Price per carton.**

SINGLE WALL

PRODUCT CODE	SIZE	SHEETS/PK	WT	PRICE
613-1620	406 x 508mm (16" x 20")	10	1.4kg	£27.47
613-2024	508 x 610mm (20" x 24")	10	2.0kg	£38.57
613-3040	762 x 1016mm (30" x 40")	25	14.5kg	£156.53
613-4060	1016 x 1524mm (40" x 60")	25	27.3kg	£293.51

DOUBLE WALL

PRODUCT CODE	SIZE	SHEETS/PK	WT	PRICE
613-3041	762 x 1016mm (30" x 40")	10	11.4kg	£140.88
613-4061	1016 x 1524mm (40" x 60")	10	29.6kg	£265.97

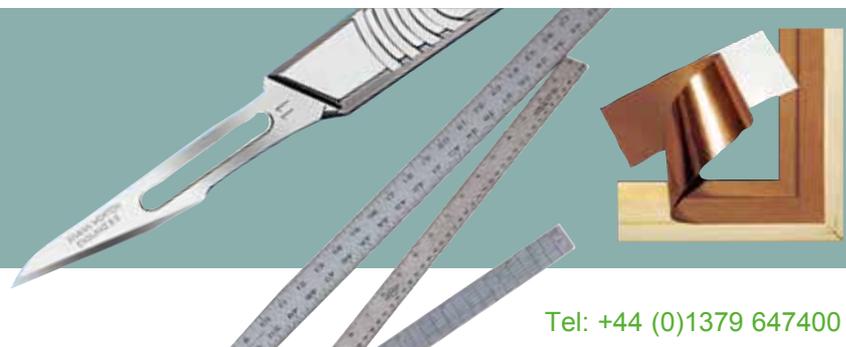
➤ Bi-Corr™ Cross Direction Perma/Dur® Corrugated Board

For ultimate strength and rigidity in archival board, we offer Bi-corr Cross Direction Perma/Dur® Corrugated board. As the name suggests, we laminate two layers of our very best corrugated board together so the corrugation of each runs perpendicular to the other. The result is a light weight board of exceptional strength which resists bending, folding, or curling. This blue/grey board, with its 6mm (1/4") thickness, is exceptional for picture frame backing, but is equally effective as a sturdy display construction material. In fact, it excels in any application which requires a strong but lightweight acid-free material. A 3% calcium carbonate buffer offers additional protection from atmospheric pollutants. This board is made of bleached cellulose fibres, and is acid-free and lignin-free. Sold in full cartons only. **Price per carton.**

PRODUCT CODE	BOARD SIZE	THICKNESS	PK	PRICE
613-4001	813mm x 1219mm (32" x 48")	6mm	Sht 8	£261.05

You may also need

- Knives or scissors Page 104
- Straight edges Page 100
- Cutting mats Page 102
- Framing Tapes Page 90



➤ **Buffered Blue-Grey/White Box Board**

Sheets of our sturdy 1300gsm barrier board (pH 8.5) are now available for a variety of uses. This improved barrier board is acid-free throughout and possesses excellent folding characteristics. Buffered with approximately 3% calcium carbonate. The blue-grey side has a smooth surface and the white lignin-free interior eliminates any concern for colour transfer to objects placed against it. This board is ideal for making phase boxes, special size boxes, dividers or any use where an archival quality board is required. May be cut to special sizes - consult our customer service department. Sold in packages of 25 sheets. **Price per package.**

PRODUCT CODE	THICKNESS	SIZE	GRAIN	WT	PRICE
345-1620	.060 (1.5mm)	406 x 508mm (16" x 20")	long	6.36kg	£42.20
345-3240	.060 (1.5mm)	813 x 1016mm (32" x 40")	long	26.36kg	£146.90
345-5833	.060 (1.5mm)	1473 x 838mm (58" x 33")	short	37.73kg	£229.77

Blue-Grey/White  
Barrier Board

➤ **Unbuffered Tan Box Board**

An archivally safe board which can be used for making your own custom sized storage boxes, dividers, heavyweight folders, pamphlet or photographic binders, etc. Acid-free and lignin-free, our non-buffered 1000gsm board is manufactured for those applications where buffering compounds such as calcium carbonate would cause an undesirable reaction with the materials contacting the board, including natural history specimens. This attractive tan board is lightfast, non-bleeding, and most importantly has no internal polyester barrier which prevents materials from receiving adequate air-flow and intensified, unwanted internal chemical reactions. Package of 25 sheets (polywrapped and cartoned for moisture and handling protection). **Price per package of 25 sheets.**

PRODUCT CODE	SIZE	GRAIN	WT	PRICE
799-3040	762 x 1016mm (30" x 40")	short	23.64kg	£154.74
799-4060	1016 x 1524mm (40" x 60")	long	38.64kg	£299.52

Unbuffered  
Tan Barrier  
Board

➤ **Archival Corrugated E-Flute Board (Acid Free, Lignin Free, Buffered)**

The strength of Perma/Dur® E-Flute corrugated board makes it ideal for box making. E-Flute is half the thickness of standard B-Flute with nearly the same strength. Acid-Free, Lignin-Free and Buffered with calcium carbonate. Pleasing Blue/Grey colour. Folding and cutting are easy and ideal for E-Flute corrugated board. Great for CAD box making machines. (1.75mm Thick).

PRODUCT CODE	SIZE	WEIGHT	SHEETS PER PACK	PRICE
612-2024E	508 x 610mm (20" x 24")	2.1kg	10	£44.52
612-3040E	762 x 1016 x 1.75mm (30" x 40")	14.5kg	25	£164.58
612-3060E	1016 x 1524mm (40" x 60")	27.3kg	25	£329.34

Multi-use  
Corrugated  
E-Flute

➤ **Silver Safe Photo Paper**

This photo and silver safe unbuffered paper is made from high purity 100% cotton all rag paper. It has been developed for photographic conservation. An ideal interleaving paper used for protecting prints and works of art on paper.

The fibre distribution and formation are excellent with a very smooth finish to prevent damage by abrasion. At the time of manufacture the pH value is between 6.8 and 7.2 since the paper is not buffered, a drop in pH value is to be expected when exposed to normal atmospheric conditions.

Various uses are found for this 40gsm 100% cotton rag paper other than the obvious photographic uses such as: Document and manuscript repair, backing, lining, reinforcing, hinging, interleaving and wrapping. Ideal for storage where unbuffered stock is used such as for wool and silk in textiles, silver and other artefacts. This product passes the Photo Activity Test of ANSI Standard IT 9.16 in independent tests performed at the Image Permanence Institute at Rochester Institute of Technology, Rochester, NY.

PRODUCT CODE	DESCRIPTION	SIZE	PRICE
682-1180	sheets 40gsm	610 x 914mm	£59.00 (50 sheets)
682-1182	sheets 40gsm	610 x 914mm	£259.50 (250 sheets)
682-1191	roll 40gsm	1270mm x 227m	£299.00 (roll)



➤ **PEL Wet Strength Tissue**

This toned tissue is specifically designed for wet repairs in paintings and paper conservation. The tissue is exclusive to PEL. Paintings and paper conservators are finding that the tissue is the strongest wet strength tissue available and has a higher wet strength than tissues offered by other suppliers.

The tissue has a unique lint-free long fibre non-woven special blend of high strength, large diameter premium grade abacca fibres and other selected cellulose fibres. The fibres are specially selected for tensile, tear and porosity control at light basic weight and to facilitate natural bonding. The structure is characterised as non-abrasive, highly absorbent and consistently uniform in calliper, basic weight and pore size distribution. This uniformity provides exceptional fibre retention under stress with excellent drapability and elongation. **Price per roll.**



PRODUCT CODE	DESCRIPTION	SIZE	PRICE
682-3612	Repair Tissue	1016mm x 100M	£93.50 per roll
682-3614	Repair Tissue	1016mm x 250M	£198.95 per roll

<b>WEIGHT</b>	12.3gsm
<b>THICKNESS</b>	0.0020 inches (51 micron)
<b>AIR PERMEABILITY</b>	1130L/min/100sq cm at 12.7mm Water Delta P
<b>DRY DENSILE MD</b>	5.71 lbs/in
<b>DRY DENSILE CM</b>	1.85 lbs/in
<b>WET BURST</b>	2.68 psi
<b>MOISTURE</b>	7.5%
<b>PH EXTRACT (COLD)</b>	6.75

➤ **PEL Heavy-Weight Tissue**

This heavy-weight, 100% abaca tissue features long fibres for both wet and dry strength. Unbuffered and pH neutral, it can be used with all types of collections, including natural history specimens and animal based materials such as wool, leather and silk. 28 gsm. **Price per roll.**

PRODUCT CODE	DESCRIPTION	SIZE	PRICE
533-3928	Repair Tissue	990mm x 30m	£58.50

➤ **Museum Paper**

Premium white museum paper with alkaline buffer giving maximum permanency. Ideal as photocopier paper and as interleaving sheets in folders, files, binders and boxes. The paper has passed the Photographic Activity Test (PAT) in accordance with ISO 18916-2009. Available in sheets. Other sizes on request quantities will apply.

**Price per pack.**

PRODUCT CODE	GSM	SIZE	QUANTITY	PRICE
682-1082	80	A4 297mm x 210mm	500 sheets	£11.95

➤ **Silk Tissue Paper**

Unbuffered, machine glazed single-sided, silk tissue paper on rolls with a pH value of 7. Acid free and manufactured without the usage of optical brightening agents. Ideal for archival storage of photographs, paintings, graphics, textiles and as padding material for delicate works of art. The paper has passed the Photographic Activity Test (PAT) in accordance with ISO 18916-2009.



PRODUCT CODE	GSM	SIZE	QUANTITY	PRICE
682-7510	18	750mm x 1000mm	250 sheets	£64.00
682-1050	18	1300mm x 500m	Roll	£174.65

➤ **Unbuffered See Thru, Acid-Free Glassine**

Acid-Free Glassine (26 gsm) for a variety of conservation applications. It is transparent and smooth with a pH of approximately 7.0 and is unbuffered. Its light weight makes it easy to fold or shape and is excellent for use in situations where its transparency is helpful. Available in both rolls and sheets. **Price per pack of 100 sheets or per roll.**

PRODUCT CODE	SIZE	PRICE
448-1625	406 x 508mm 100 sheets	£23.30
448-3240	813 x 1016mm 100 sheets	£84.56
448-4000	1016 x 305m Roll	£124.81

ALL AVAILABLE IN SHEETS & ROLLS.



**Glassine**

**Unbuffered Tissue**

**Buffered Tissue**

➤ **Unbuffered Acid-Free Tissue Paper (16gsm)**

Excellent for stuffing, interleaving or a variety of uses, this translucent tissue (16 gsm) is completely acid-free and has a thickness of .001. Available in either sheets or rolls, it has countless applications in museums, archives or libraries. Its very soft surface makes it an ideal choice for separation wrapping. Excellent for photographic and textile storage.

**PRICE PER PACK**

PRODUCT CODE	QTY	SIZE	PRICE
741-3041	12	762 x 1016mm	£5.75
741-1015	100	254 x 381mm	£9.10
741-1520	100	381 x 508mm	£19.80
741-3040	100	762 x 1016mm	£37.38

**PRICE PER ROLL**

PRODUCT CODE	SIZE	PRICE
741-3250	1016 x 76m	£53.55
741-3500	1016 x 152m	£76.16
741-3100	1016 x 305m	£143.29
741-3160	1524 x 305m	£213.71

➤ **Buffered Acid-Free Tissue Paper**

The same .001 thick acid-free tissue (16 gsm) as above with a 3% calcium carbonate buffer added. Buffering agent will help prevent acid migration to the tissue itself. Available in sheets or rolls. 17/18 gsm.

**PRICE PER PACK OF 100 SHEETS**

PRODUCT CODE	SIZE	PRICE
741-1015BF	254 x 381mm	£8.43
741-1520BF	381 x 508mm	£20.20
741-3040BF	762 x 1016mm	£38.15

**PRICE PER ROLL**

PRODUCT CODE	SIZE	PRICE
741-2504BF	1016 x 76m	£39.48
741-5004BF	1016 x 152m	£67.41
741-1040BF	1016 x 305m	£129.39

➤ **Microchamber® Paper**

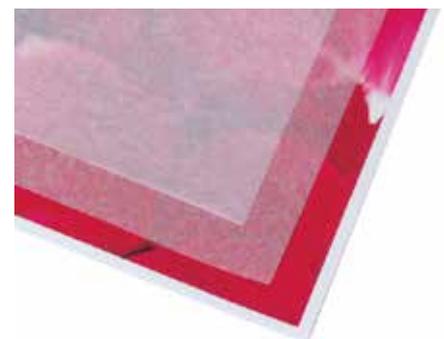
This acid-free thick, heavyweight paper is 100% cotton rag Microchamber®, 350 micron paper. The patented technology actively protects the harmful effects of outgassing and damaging pollutants. These harmful gases are then neutralized by an alkaline buffer of calcium carbonate. The paper is sulphur and lignin free with a pH of 8.9 and passes the Photographic Activity Test. 244gsm. **Price per pack of 25 sheets**

PRODUCT CODE	SIZE	THICKNESS	PRICE
700-8649	813 x 1016 (32" x 40")	350 micron	£91.50

➤ **Low Cost Acid-Free Tissue Paper**

We have introduced this unbuffered low cost acid-free tissue paper, after many requests from customers who use high volumes of tissue paper in transportation of works of art. This low cost bleached wood pulp tissue does not replace our high quality tissue papers. We made the rolls wider which is very useful for packing large items.

**Price per roll or 480 sheets**

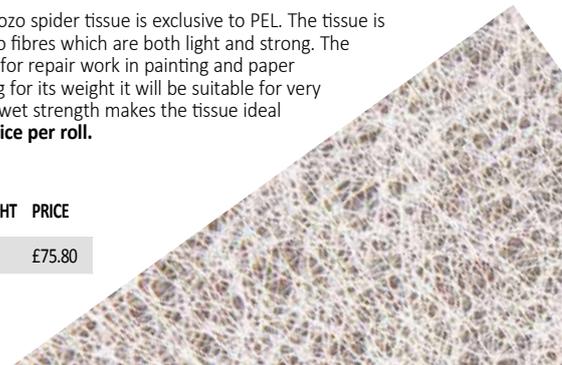


PRODUCT CODE	SIZE	THICKNESS	PRICE
741-1300	1300 x 100m Roll	22gsm	£20.95
741-7550	750 x 500mm Sheets	20gsm	£24.60

➤ **PEL 5 Gram Spider Tissue**

This handmade Tengucho 5 gram Japanese Kozo spider tissue is exclusive to PEL. The tissue is flexible, translucent and made from long Kozo fibres which are both light and strong. The tissue is unbuffered with a pH 7.2 developed for repair work in painting and paper conservation. Being extremely soft and strong for its weight it will be suitable for very delicate works of art. The natural colour and wet strength makes the tissue ideal for wet repairs giving a clear strong repair. **Price per roll.**

PRODUCT CODE	SIZE	BASE WEIGHT	PRICE
682-3638	965mm x 20m	5gsm	£75.80



➤ **Perma/Dur® Buffered Bond Sheets - Great for Photocopiers**

PEL exclusive 20# Perma/Dur® Bond (75 gsm) offers an excellent archival quality buffered paper at moderate cost. Watermarked for your protection, it is a premium quality paper with a potential life of over 300 years. Perma/Dur® Bond is an excellent choice for reproductions, reports, books, anywhere durability and longevity are a factor. For Laser Printing, Xerographic or Lithographic processes. Available in White. **Price per package.**

PRODUCT CODE	SIZE	GSM	WT	SHEETS/PK	PRICE
678-1175	A4 210 x 297mm (8.25" x 11.75")	75g	2.55kg	500	£22.43
678-11A3	A3 420 x 297mm (11.7" x 16.5")	75g	2.32kg	250	£20.70

➤ **Large Perma/Dur® Buffered Bond Sheets**

Acid-free Perma/Dur® Bond (75 gsm) in large sheets is ideal for wrapping and interleaving prints and drawings. These sheets may also be used for printing and drawing papers where an acid-free sheet is required. Substance 20, White. **Price per package.**

PRODUCT CODE	SHEETS/PK	SIZE	GSM	WT	PRICE
678-1722	50	432 x 559mm (17" x 22")	75g	1.36kg	£10.16
678-3240	50	813 x 1016mm (32" x 40")	75g	7.73kg	£42.20
678-1711	500	280 x 432mm (11" x 17")	75g	5.09kg	£38.82

➤ **Wide Rolls Perma/Dur® Buffered Bond**

Acid-free Perma/Dur® (75 gsm) in 864mm x 96m (34" wide x 100 yard) rolls for wrapping, separating and interleaving. Very useful when an acid-free paper is needed in varying sizes. Substance 20, White. **Price per roll.**

PRODUCT CODE	SIZE	GSM	WT	PRICE
678-3400	864mm x 96m	75g	7.5kg	£73.29

➤ **Perma/Dur® Buffered Ledger**

An excellent acid-free paper (120gsm) used as an end paper in book binding. Its smooth finish is resistant to dirt marks or abrasions. Also used for lightweight folders, special envelopes and the like. Its pleasing Olde White colour and .007 (36#) thickness make it a good choice for many archival paper uses. Watermarked. **Price per package.**

PRODUCT CODE	SIZE	GSM	PACK	PRICE
678-24A4	A4 297 x 210mm	120	100 sheets	£8.95
678-24A3	A3 420 x 297mm	120	250 sheets	£31.95

➤ **Byron Weston Paper (100% New Cotton)**

A very high quality archival paper for valuable records. This white linen record paper from Byron Weston is produced from 100% new cotton, acid and lignin free, 120gsm, A4 size used for photocopying, laser printing and inkjet printers. The record paper is an excellent choice for reports, books, documents and records which are required to be preserved for the future. 297 x 210mm (A4), **500 sheet pack.**

PRODUCT CODE	DESCRIPTION	WEIGHT	PRICE
219-0032	Record Paper (A4)	120gsm	£96.00

➤ **Buffered Acid-free and Lignin Free Paper (Blue/Grey & Light Tan)**

This sturdy, medium weight light tan paper (110gsm) has excellent strength for many uses. It is an excellent choice for wrapping and protection of documents and art work - for either storage or shipping, and as a frame backing paper. It is buffered and has an average pH of 8.5. Price per roll. The pleasing, blue/grey 90gsm wrapping paper is slightly lighter than the tan, acid-free, lignin free and buffered, and has excellent folding, cutting and handling characteristics. **Price per roll.**

PRODUCT CODE	DESCRIPTION	SIZE	WT	PRICE
613-0037	Light Grey	914mm x 91m (36" x 100yds)	9kg	£58.44
613-2625	Light Tan	660mm x 228m (26" x 250yds)	19.5kg	£162.86
613-5425	Light Tan	1321mm x 229m (52" x 250yds)	36.3kg	£299.18



➤ **Permalife Buffered A4 Paper**

Buffered Paper (75 gsm) by Permalife®, a product known for its durability and strength, is made to exacting specifications and is ideal for museum and archival uses.

- Acid-free 20pt white paper
- 25% rag, 75% wood fibre
- PAT Passed
- Buffered

Excellent for a variety of uses including printing (letterpress or offset), writing (pen and ink - with excellent erasing qualities) or folding (exceptionally strong paper). **Price per package of 500 sheets.**

PRODUCT CODE	SIZE	GSM	PRICE
680-85A4	864mm x 96m	75g	£30.36





➤ **100% Cotton Rag Blotting Paper**

This 112# (346 gsm), 100% cotton rag blotter is great for any number of conservation applications. Use it in wet treatment of papers and as a blotter in leaf casting. Line drawers and shelves with it to protect your artefacts or natural history specimens. It is also fine as a lining material in conservation picture framing. Because it is smooth and unbuffered, it is perfect for use with most photo processes. This pure waterleaf paper contains no buffers or fillers. The pH is 8.5 (± .2); white.

PRODUCT CODE	STS./CTN.	SIZE	GSM	WT	PRICE
535-1925	10	508 x 762mm (20" x 30")	346	1.8kg	£32.68

➤ **PEL Blotting Paper**

Acid-free, wood-free slightly textured to give high bulk and fast absorbency and excellent retention. The pH is close to 7. **Price per roll.**

PRODUCT CODE	SIZE	BASE WT	QTY	PRICE
535-1000	860mm x 610mm (33.85" x 24")	300gsm	100	£66.75
535-1048	1220mm x 860mm (48" x 33.85")	300gsm	50	£66.75

➤ **Unbuffered Interleaving Sheets & Roll - Silver Safe**

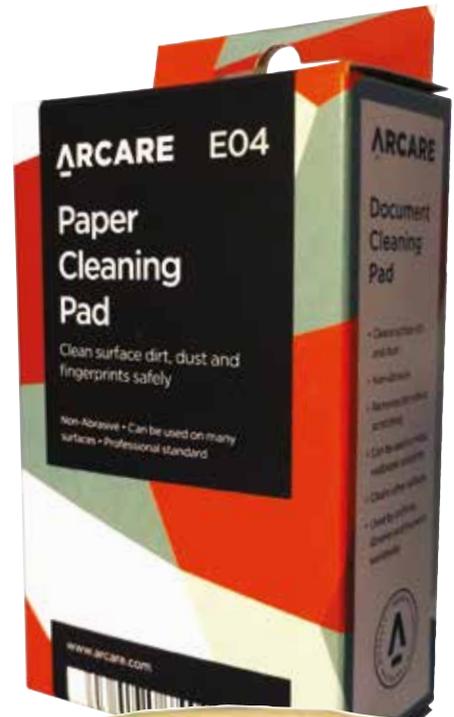
This unbuffered 40gsm paper is made from high purity 100% all rag cotton. The fibre distribution and formation are excellent with a very smooth finish to prevent damage by abrasion. An ideal interleaving paper used for protecting prints and works of art on paper. **Available in 250 or 50 pack 610 x 914mm (24" x 36") sheets or 229m roll.**

PRODUCT CODE	SIZE	BASE WT	QUANTITY	PRICE
682-1180	610 x 914mm	40gsm	50 sheets	£59.00
682-1182	610 x 914mm	40gsm	250 sheets	£259.50
682-1191	1270 x 229m	40gsm	Roll	£299.50

➤ **Masa Lining Paper**

This Japanese paper is very popular with conservators and artists. Machine made white, thick, strong paper with one side smooth, the other textured. Masa is also very good for printmaking and drawings. Its quality and weight make it an excellent material for lining of large format works of art. **Price per roll.**

PRODUCT CODE	SIZE	WT	PRICE
682-3200	1092mm x 30m	70gsm	£58.50



➤ **Document Cleaning Pads - Arcare**

Arcare Document Cleaning Pads are recommended for cleaning dusty, dirty, or mouldy paper items. These pads contain a soft, grit-free powder that absorbs and cleans surface dirt from paper. One cleaning pad - Size 125 x 40 x 40mm. **Price each.**

PRODUCT CODE	SIZE	WT	PRICE
782-1004	one cleaning pad	90g	£2.95

**To Use:** Twist the pad lightly over the soiled document to produce a thin layer of white cleaning powder. Then, gently rub the pad over the area to be cleaned. This action causes the dust and dirt to be absorbed by the layer of cleaning powder. Once the area is clean, simply brush the residue away to reveal a clean, renewed appearance.

➤ **Document Cleaning Powder**

PEL document cleaning powder lifts and absorbs dirt and dust from paper. Once the area is clean simply brush the residue away. Use cotton wool to rub the particles over the surface of the paper. **Price each.**



PRODUCT CODE	SIZE/WT	PRICE
782-1000	Document Cleaning Powder 2lbs (0.9kg)	£9.95



Kitakata\*

Handmade in Japan of 90% Philippine Gampi and 10% pulp. The buff shade and silky touch of this paper make it a favourite with conservators of old books and documents. Also used for wood cuts, etchings and for Chine Colle applications. Acid-free and deckled on four sides. **Price per package of 10 sheets.**

PRODUCT CODE	SIZE	WT	PRICE
682-2620	533 x 432mm	36gsm	£21.00

Usumino (Kizuki-shi)

Silky 100% Kozo sheet paper. Natural in colour, with body and a hard surface. Created by master craftsmen of Japan. Especially made for mending since its fibres are compact and can be torn into a strong web. May be used for bookbinding. **Price per package of 5.**

PRODUCT CODE	SIZE	WT	PRICE
682-2836	940 x 640mm	11-12gsm	£82.60

Sekishu Kozogami Tsuru\*

Created by one of the master craftsmen of Japan, this 100% Kozo paper is very soft and silky in appearance with chain lines. Its great strength makes it practical for all types of repair work. **Price per package of 5.**

PRODUCT CODE	SIZE	WT	PRICE
682-2129	720 x 520mm	22gsm	£45.95

Okawara Large Sheets

100% Kozo sheet, cream colour with smooth surface, and fibres are quite visible throughout. Strong, soft and supple with laid lines. Excellent for conservation and print making. Machine made in Japan from 50% Kozo and 50% sulphite pulp. **Price per package of 5 sheets.**

PRODUCT CODE	SIZE	WT	PRICE
682-3672	1830 x 910mm	60gsm	£61.20

Mulberry Paper

This white paper is handmade in Japan from 30% Kozo and 70% sulphite pulp. Its name comes from the mulberry plant from which the Kozo fibre is taken. Lightweight and soft, it is strong, very versatile and pleasant to use. In addition to its conservation uses, this paper is excellent for printing or printmaking. **Price per package of 10 sheets.**

PRODUCT CODE	SIZE	WT	PRICE
682-2433	850 x 640mm	40gsm	£28.20

Hosokawa Ohban\*

A handmade sheet of 100% Kozo, most popular with conservators as backing or support sheet for maps, documents, etc., especially larger pieces because it is slightly heavier than most Japanese papers. Also an excellent choice in block printing. **Price per package of 5 sheets.**

PRODUCT CODE	SIZE	WT	PRICE
682-2926	970 x 640mm	40gsm	£58.75

Handmade Japanese & Conservation Paper

Preservation Equipment offers the most complete selection of Handmade Japanese Papers and conservation Papers. All are specifically designed for conservation but have a variety of uses in the hands of a creative person.

Acid-free, they are delicate looking yet are remarkably tear resistant.

Preservation Equipment Ltd has access to many other Japanese papers if you can not find the paper you require. Please contact our customer service department we may be able to locate the paper.

\*Denotes paper uses natural tororo

Japanese Paper Swatchbook

A swatchbook of our Japanese papers. Designed to assist you with your selection of colour and texture for your projects.

PRODUCT CODE	PRICE
682-Sampler	£9.00

Japanese Hinging Tissue

These generously sized sheets 597mm x 432mm (23 1/2" x 17") of Japanese Mulberry paper are specially manufactured with 55 parallel "tear lines" that allow you to form perfect, deckled-edge Japanese hinges every time. The tear lines are arranged at various distances apart, to form hinges from 6mm wide to 23mm wide, all up to 432mm in length. Available in lightweight 12gsm for photographs and light artwork, and 20gsm for heavier work. Applied easily with wheat or rice starch to make sound conservation quality hinges. Pack of 4 sheets.



PRODUCT CODE	DESCRIPTION	PRICE
682-0012	12gsm Hinging Paper	£27.95
682-0020	20gsm Hinging Paper	£29.95

Mulberry Rolls

Machine made version of the most popular Oriental paper in the U.S.. It is slightly lighter than its handmade counterpart, but it affords the conservator a large format. Sheet is 10% Kozo with the balance being 90% sulphite pulp. There are no chemical fillers and a small amount of sizing is added before drying. **Price per roll.**

PRODUCT CODE	SIZE	WT	PRICE
682-2710	690mm x 9.15m	52gsm	£39.95

Assorted Hinging Paper

A variety of the highest quality Japanese Hinging Papers allows you to select the proper thickness and strength for your particular application. The five papers included in the assortment have different weights and finishes, one just right for your job.

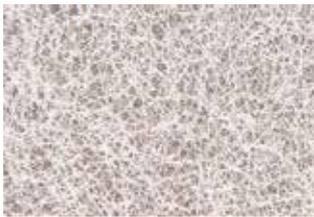
ASSORTMENT INCLUDES

- **Sekishu Kozogami Tsuru** (one 720 x 520mm 22gsm handmade, 100% kozo, lightweight with laid finish sheet)
- **Sekishu White** (one 990 x 610mm 30gsm long fibre sheet)
- **Sekishu Natural** (one 990 x 610mm 30gsm long fibre sheet)
- **Kizukishi** (one 940 x 640mm 11-12gsm, 100% kozo, silky, long fibre sheet)
- **Mulberry** (two 850 x 640mm 42gsm sheets) handmade, kozo and sulphite pulp, long fibre, lightweight, strong and soft.

PRODUCT CODE		PRICE
682-4000	6 Assorted Papers	£49.60

PEL 5 Gram Spider Tissue

This handmade Tengujo 5 gram Japanese Kozo spider tissue is exclusive to PEL. The tissue is flexible, translucent and made from long Kozo fibres which are both light and strong. The tissue is unbuffered with a pH 7.2 developed for repair work in painting and paper conservation. Being extremely soft and strong for its weight it will be suitable for very delicate works of art. The natural colour and wet strength makes the tissue ideal for wet repairs giving a clear strong repair. **Price per roll.**



PRODUCT CODE	SIZE	BASE WEIGHT	PRICE
682-3638	965mm x 20m	5gsm	£75.80

PEL Wet Strength Repair Tissue

This toned tissue is specifically designed for wet repairs in paintings and paper conservation. **The tissue is exclusive to PEL.** Paintings and paper conservators are finding that the tissue is the strongest wet strength tissue available and has a higher wet strength than tissues offered by other suppliers. The tissue has a unique lint-free long fibre non-woven special blend of high strength, large diameter premium grade abacca fibres and other selected cellulose fibres. The fibres are specially selected for tensile, tear and porosity control at light basic weight and to facilitate natural bonding. The structure is characterised as non-abrasive, highly absorbent and consistently uniform in caliper, basic weight and pore size distribution. This uniformity provides exceptional fibre retention under stress with excellent drapability and elongation. **Price per roll.**

<b>WEIGHT</b>	12.3gsm
<b>THICKNESS</b>	0.0020 inches (51 micron)
<b>AIR PERMEABILITY</b>	1130L/min/100sq cm at 12.7mm. Water Delta P.
<b>DRY TENSILE MD</b>	5.71 lbs/in
<b>DRY TENSILE CM</b>	1.85 lbs/in
<b>WET BURST</b>	2.68 psi
<b>MOISTURE</b>	7.5%
<b>pH EXTRACT (COLD)</b>	6.75

Masa Lining Paper

This Japanese paper is very popular with conservators and artists. Machine made white, thick, strong paper with one side smooth, the other textured. Masa is also very good for printmaking and drawings. Its quality and weight make it an excellent material for lining of large format works of art. **Price per roll.**

Kaji Natural

Handmade in Japan of 100% Kozo. Lightweight yet sturdy. This sheet is a prime example of the best Oriental hand papermaking. Good for conservation, woodcuts, and letterpress. Acid-free, unsized with four deckled edges. **Price per package of 5 sheets.**

PRODUCT CODE	SIZE	WT	PRICE
682-2439	980 x 640mm	26gsm	£23.80

Sekishu Natural\*

Handmade in Japan of Kozo and sulphite pulp. A soft, lightweight paper showing dispersed fibres that do not intrude and give a rather soft background. **Price per package of 5 sheets.**

PRODUCT CODE	SIZE	WT	PRICE
682-2439NA	990 x 610mm	33gsm	£22.75

Tosa Tengujo\*

A handmade, 100% Kozo paper, with especially long, silky fibres that give the paper an almost woven look. **Price per package of 5 sheets.**

PRODUCT CODE	SIZE	WT	PRICE
682-2925	787 x 533mm	11gsm	£52.50

Silk Tissue

Machine made in Japan of Gampi and sulphite pulp. It is a very silky paper which is also very transparent. Excellent for interleaving, for overlays on prints or over illustrations in books. Acid-free. **Price per package of 10.**

PRODUCT CODE	SIZE	WT	PRICE
682-2824	610 x 460mm	10gsm	£17.25

PRODUCT CODE	SIZE	PRICE
682-3612	1016mm x 100m	£93.50
682-3614	1016mm x 250m	£198.95

PRODUCT CODE	SIZE	WT	PRICE
682-3200	1092mm x 30m	77gsm	£58.50



*The world's  
thinnest paper*

TENGU

Expertly manufactured in Japan using 100% Kozo, PEL are pleased to introduce the world's thinnest paper - Tengu.

Designed to provide strength and protection, Tengu paper is used around the world in a range of preservation applications. Machine-finished to achieve weights from only 1.6gsm, making it the thinnest paper in the world. Tengu is ideal for interleaving, surface repair, surface protection and doubtless other uses. Unlike many other Washi (*Wa* - Japanese *shi* - paper), Tengu is not bleached using chlorine which can remain in paper causing it to yellow over time. It is instead washed in a slightly alkaline solution to achieve a uniform colour.



**Manufacturing**

Kozo is carefully selected and cooked to remove pectin and lignin leaving only cellulosic fibres.

The cooked kozo is then cleaned in running water, a process which has existed for hundreds of years. Scratched or damaged pieces are removed as they can cause dark patches which cannot be bleached. The cleaned fibres are disentangled by hand and then bleached to achieve a uniform colour.

Fibres are mixed in a solution containing 'neri' and flowed into the paper making machine. The machine automates, but replicates, the actions in handmade paper production to achieve an even distribution of fibres. The fibres are now a sheet which is dried slowly and rolled. Finishing the rolls is a carefully managed process to ensure the paper remains wrinkle-free. The meticulous nine-stage manufacturing process results in a finished paper that is **unrivalled in its weight and quality.**



**Tengu Japanese paper - Wide Rolls**

**NEW** product

**100% Kozo paper from only 1.6gsm in weight, the thinnest paper in the world.** Its light weight and strength make it ideal for interleaving, hinging, repairs, backing, protection for books and works of art on paper, plus doubtless many more applications. The purity of the paper, being 100% plant fibre (Kozo), is said to deliver a life of over 1000 years. **Price per roll.**

PRODUCT CODE	SIZE	GSM	PRICE
682-0016	Natural (NAJ) Roll - 970mm x 5M	1.6gsm	£67.95
682-0020	Natural (NAJ) Roll - 970mm x 5M	2.0gsm	£73.00
682-0035	Natural (NAJ) Roll - 970mm x 5M	3.5gsm	£57.75
682-0050	Natural (NAJ) Roll - 970mm x 5M	5gsm	£50.95



NAJ Toned

**Tengu Japanese paper - Deckled (feathered) Edge Tape**

**NEW** product

100% Kozo tape with deckle (feathered) edge, ideal for hinging, repairs, support and many other uses. 30mm & 60mm widths available. **Price per roll.**

PRODUCT CODE	COLOUR - SIZE	GSM	PRICE
682-373N	NAJ Toned - 30mm x 50M	7.3gsm	£10.75
682-373W	White - 30mm x 50M	7.3gsm	£9.70
682-376N	NAJ Toned - 60mm x 50M	7.3gsm	£14.95
682-376W	White - 60mm x 50M	7.3gsm	£12.75



White

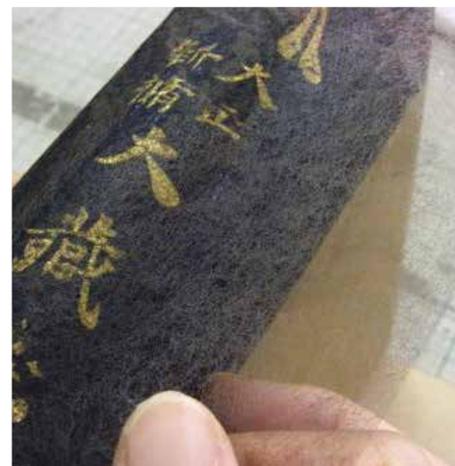


NAJ Toned

**Tengu Sample Swatchbook**

If you are unsure as to which paper best suits your requirements, consider our sample swatch containing an A6 sheet of each weight, and both stocked colours for reference. **6 sheets in total.**

PRODUCT CODE	PRICE
682-TENGU	Samples of 1.6, 2, 3.5, 5 & 7.3gsm with both white and NAJ toned £5.00





### Species Folders

PEL Species Folders are made of acid-free 165 micron folder stock in Pale Cream, watermarked for your protection. This archival Species Folder is folded from size 16.5" x 23.125" to 16.5" x 11.5". **Price per 100 folders.**

PRODUCT CODE	SIZE	WT	PRICE
678-1611	419 x 588	1.68kg	£34.65
folded to: 419 x 294			

### Archival Quality Genus Covers

Archival Quality Genus Covers in a light tan (natural) colour. Acid-free and lignin-free with 3% calcium carbonate buffer to repel migrant acidity. Covers possess high folding tolerance to endure years of service. PEL Genus Covers are 380micron thick and folded to size indicated below. **Price per 100 folders.**

PRODUCT CODE	SIZE	PRICE
170-1012	422 x 610mm folded to 422 x 305mm	£70.49

### 100% Rag Herbarium Mounting Paper

Our finest archival quality 100% Rag Herbarium Mounting Paper. This superior paper is off-white with a moderately textured surface for excellent adhesion of mounting strips or adhesive. It is buffered with approximately 3% calcium carbonate to inhibit acid migration. These 292 x 419mm sheets are available in four different thicknesses. The grain direction is parallel to the long dimension to assure ease in handling after specimens have been mounted. This paper is of course acid-free and lignin-free with a pH of 8.5 ±.5. **Price per 100 sheets.**

PRODUCT CODE	WT	GSM	DESCRIPTION	TYPE	PRICE PER 100
170-1116L	2.35kg	145	Lt. wt.	Stanford (292 x 419mm)	£25.47
170-1116S	2.85kg	187	Std. wt.	NYBG/Smithsonian (292 x 419mm)	£30.55
170-1116H	3.55kg	236	Hvy. wt.	UCal (292 x 419mm)	£37.65

### Resistall Paper from Byron Weston Co.

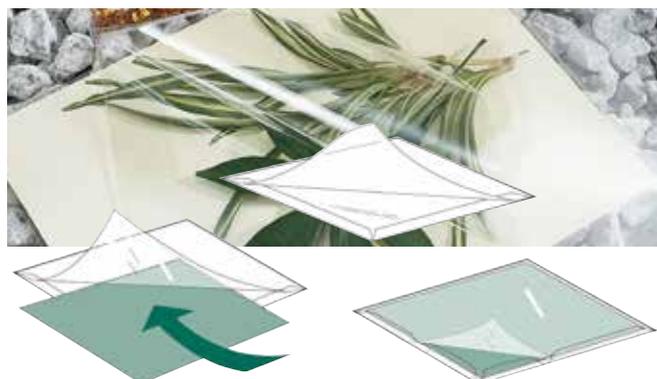
Thanks to the requests and efforts of so many Natural History Professionals, we are pleased to once again be able to offer Resistall. For years, Resistall has been used for labels for "wet" natural history collections (those specimens stored in alcohol or formaldehyde) because of its ability to maintain dimensional stability even when wet.

PRODUCT CODE	SUB. WT	WT	SHEET SIZE	QTY	PRICE
219-368511	120gsm	730g	279 x 216mm (suitable for printer)	100 sheets	£25.13
219-36A4	120gsm	3.64kg	297 x 210mm (A4, suitable for printer)	500 sheets	£152.95
219-361823	120gsm	3.64kg	584 x 457mm	100 sheets	£65.62

### Self-Sealing L-Velopes® Herbarium

Support and protect your valuable mounted specimens while in circulation, or on display with unique Self-Sealing L-Velopes®. Heavy, 100 micron Mylar D® construction. Two adjacent sides open (figure 1) so mounting sheet safely slips in (figure 2); then flaps fold over to make a seal (figure 3). Your specimen is safe from dirt, fingerprints and damage due to ordinary wear or handling, yet it is completely visible. **Package of 5 L-Velopes.**

PRODUCT CODE	DESCRIPTION	SIZE	FITS UP TO:	PRICE/PKG OF 5
738-0811	For documents	219 x 293mm	216 x 280mm	£11.50
738-1217	For mounting sheets	308 x 435mm	292 x 419mm	£15.35



### Resistall Specimen Tags

Manufactured from Resistall Linen Ledger and treated for dimensional stability and resistance to water, alcohol and formaldehyde.



The specimen tags include a cotton string to attach to specimens in wet collections. **Price is per package of 100 tags.**

PRODUCT CODE	SIZE	PRICE
219-0102	25 x 50mm (1" x 2")	£16.53

### Entomology Pins

The black hardened steel specimen pins have a lacquered finish that guards against rust. Two thicknesses are available, each measures 38mm in length. The stainless steel pins are smooth and are preferred by some customers.

PRODUCT CODE	THICKNESS	LENGTH	QTY	FINISH	PRICE
023-0055	0.55mm	38mm	500	black	£8.25
023-0530	0.53mm	38mm	500	S/Steel	£15.40



➤ **Beva® 371 Film (Gustav Bergers)**

Beva® is an adhesive created specifically for conservation applications. We have it available as adhesive film sandwiched between white silicone-coated paper and a Mylar® supporting sheet. Activate the adhesive with a tacking iron or hot air blower and remove the support film. Since it is not a liquid it can be cut and applied to small, well defined areas with no fear of it spreading. You'll find many uses in the repair of papers, paintings and textiles. **Price per roll.**



13MM ROLL

PRODUCT CODE	SIZE	PRICE
695-371	686mm x 6m	£106.50
695-3705	13mm x 35m	£15.00

➤ **Beva® Tex (Gustav Bergers)**

Beva Tex is a pH neutral non-woven polyester fabric which is coated on one side with Beva 371. It is designed for the conservation of works of art on paper, on fabrics and paintings. It is applied with low heat 65°C to 70°C and is completely reversible. Available in sheets 27" x 36" (685mm x 914mm). **Price per sheet.**

PRODUCT CODE	SIZE	PRICE
695-3TEX	914mm x 685mm	£27.75

➤ **Silicone Coated Paper**

High quality white paper silicone coated. Prevents excess adhesive sticking to other surfaces and press platen. Especially useful in preparing single-sided laminations. **Price per roll.**

PRODUCT CODE	SIZE	PRICE
426-0923	1300mm x 25m Roll - single sided	£29.60
426-1310	1300mm x 100M - single sided	£75.60

➤ **Japanese Acid Free Paper Rolls**

Japanese style acid free paper on rolls 20mm and 30mm widths, ideal for wet repairs, hinging and mounting works of art on paper. Manufactured without buffer or optical brightening agents (OBA free). The paper is only 9gsm but is still very strong and retains a supple nature.



PRODUCT CODE	SIZE	PRICE
682-0097	20mm x 150m	£23.75

➤ **PEL-Tissue (toned)**

This 9gsm acid-free tissue has been developed by PEL to replace the L2 Spider Tissue, which is no longer being made. Since we had to produce a suitable replacement we took the opportunity to improve the tissue in two prime areas.

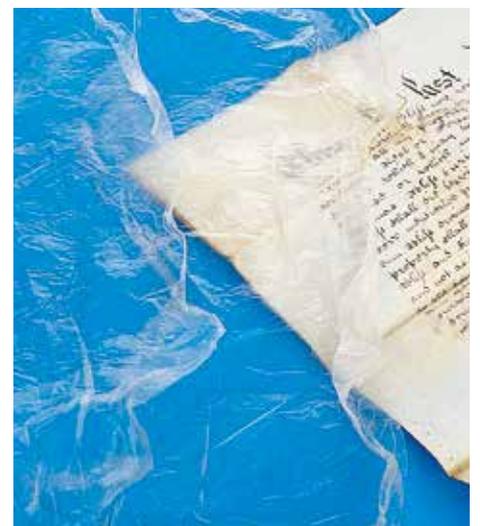
- Now toned; more suitable for faded papers (no longer a stark white)
- Less visible with lamination wet repairs
- Uniform covering is very even, again less visible

Made from Abaca Hemp with fibres that are suitable for wet localised or full manuscript repairs, making the lamination barely detectable. A soft unbuffered tissue ideal for interleaving papers, photographs, book binding, stuffing textiles and other conservation applications. We also now use this same tissue to produce our Archibond archival heat set tissue.

PRODUCT CODE	SIZE	WT	PRICE
682-3610	927mm x 100m	9gsm	£84.90

➤ **Goldbeaters Skin**

Goldbeaters skin is a thin transparent membrane with great tensile strength which was traditionally used as an interleaf for the manufacture of gold leaf. Used for the conservation of parchment and strengthening to books, this natural material is not readily available, however we have located a reliable supplier who knows the special requirements of conservators and bookbinders. Also used in miniature conservation to reseal cover-glass to backing card.



PRODUCT CODE	SIZE	PRICE
682-6025	approx 590 x 150mm. Pack of 4	£26.75

**Adhesives**  
See page 92-93



➤ **Relic Wrap**

Relic Wrap is a polytetrafluoroethylene film (PTFE) tape. Relic Wrap's smooth and pliable characteristics are ideal for protecting fragile surfaces from abrasion.

The wrap is easy to apply, non-adhesive and offers some 'give' to allow tight securing without putting too much strain on the work of art and is easy to remove.

Relic Wrap is completely unaffected by ultraviolet (UV) radiation and will not degrade from sun, incandescent or fluorescent light exposure, furthermore it will not rot or support fungus, mildew. It is chemically inert, non-toxic and non-absorbent, protects unstable surfaces from damage, prevents works of art from tangling in padding materials such as polyester wadding.



PRODUCT CODE	SIZE	PRICE
833-5100	Relic Wrap 254mm x 30.5m (10" x 100ft) PTFE Sheet	£75.00

➤ **Saatifil**

Saatifil 100% polyester fabric used in leaf casting and paper infill machines (see PEL-Caster). It can also be used for backing, interleaving, as a support for parchment during repair and other conservation tasks.

Makes a fine drying support, the material has a slick surface which prevents sticking, especially useful when using wet pulp. It is soft, drapable close weave material, with air permeable 120 micron mesh opening (41%) 51gsm.

**Price Per Roll**



PRODUCT CODE	DESCRIPTION	SIZE	PRICE
492-12041	Saatifil 100% Polyester	1070mm x 5m	£115.40

➤ **Acid-Free 50gsm Greaseproof (Food Grade) Paper**

PEL makes every effort to introduce products that are frequently requested. This paper is one of them and is a suitable alternative to silicone coated release paper. The paper has a parchment feel and is softer than silicone papers. No doubt conservators will find various uses for this paper especially with the lower price PEL is offering.

**Price per roll.**

PRODUCT CODE	SIZE	WT	PRICE
741-9000	900mm x 100m	50gsm	£24.50

➤ **PTFE Cloth**

This heavy-duty cloth is extremely useful since nothing sticks to its surface. Can be used over and over again in hard bed and vacuum presses.

PRODUCT CODE	SIZE	PRICE
426-0108	1000mm x per metre	£54.75

➤ **Silicone Coated Polyester Film (both sides)**

This clear polyester film is silicone coated on both sides, making an ideal release film for hot tables and Glass Vacuum Presses, as it allows work to be viewed during the mounting process. Furthermore it will last longer than release papers. Available in two thicknesses.

PRODUCT CODE	SIZE	PRICE
534-0023	1020mm x 25m Roll 23 Micron	£39.00
534-0050	1020mm x 25m Roll 50 Micron	£44.00

➤ **12 Micron Silicone Coated Polyester**

Silicone coated one side only, following a long search we are now able to provide this excellent product for conservation. Ideal for use as a transparent membrane on vacuum hot tables, vapour treatment and other applications.

PRODUCT CODE	SIZE	PRICE
534-0012	1600mm x 45m roll	£172.00

➤ **12 Micron Polyester Film**

Used mainly for hot tables when lining paintings. Extra wide, very light clear strong film.

PRODUCT CODE	SIZE	PRICE
415-12	1523mm x 100m roll	£34.60

PEL-Softwrap

Acid-free, very soft handleable drapable material, already used for protecting fragile works of art especially in storage. Used for lining boxes, rolling textiles etc.



PRODUCT CODE	THICKNESS / SIZE	PRICE
492-8000	44gsm .35mm /1.2m x 25m Roll	£32.95
492-8100	80gsm .90mm /1.5m x 25m Roll	£96.50

Bondina

We have been requested to include Bondina in our range of non-woven polyester materials. Many conservators have used Bondina and know it well for various conservation treatments. Has an extra smooth surface and is much slicker than Reemay. The thinner 30gsm has a paper like feel making it ideal for lining.

PRODUCT CODE	SIZE	PRICE
492-3228	30gsm 1000mm x 10m	£39.50
492-3230	30gsm 1000mm x 50m	£149.95
492-1010	100gsm 1000mm x 10m	£92.35

Fly-mesh Netting

Ideal for drying shelves and supporting textiles and paper in washing, makes a protective grid while vacuum cleaning delicate textiles.



PRODUCT CODE	SIZE	PRICE
805-7110	1220mm x 10m Roll	£66.70

Sympatex (alternative to Gore-Tex®)

This material is moisture permeable. Used for humidification, allowing humidity to reach the object without wetting. Offers easy and inexpensive techniques for the humidification method in removal of residual adhesives, old linings and stains from water sensitive objects.



PRODUCT CODE	SIZE	PRICE
986-0365	1470mm x 5m Roll	£117.50
986-1520	1470mm x 20m Roll	£395.00

Tyvek® Rolls

PEL has for many years stocked high levels of Tyvek 1443R for immediate dispatch supplying museums, collectors, specialist shipping companies and stately homes in many countries worldwide.

Tyvek 1443R Features

- Tyvek stops or filters out 99.9% of particles 0.5-0.7 micron. Liquid hold-out tests give Tyvek® the same high ratings, being non-absorbent and essentially inert.
- PEL offers Dupont Tyvek® 1443R 43gsm 145 micron thickness with anti-static finish to prevent dust attraction, the non-reactive coating is inert and not detrimental.
- Tyvek® is reusable and recyclable. It's made from 100% HDPE, it contains no fillers or binders and it's inert.
- Tyvek® is a responsible choice for archival storage and protection for works of art.
- Tyvek® is a smooth, non woven mesh of 100% high-density polyethylene fibres. It feels smooth as paper and as soft as fabric. The material is lint-free, tear-resistant and water-resistant.
- Tyvek® provides a breathable membrane which prevents moisture from being trapped in the covered item and causing condensation.
- Tyvek® roll from PEL comes on 3" (76mm) core wrapped and suitably boxed for protection in transit.
- Hydrostatic Head (5) in cm H2O | 850mm (Rate of use 60 cm/min)

We also stock Tyvek® in 3 metre wide rolls, ideal for covering very large objects (212-1422300).

PEL is a Dupont appointed stockist for Tyvek®, we keep high stock levels for immediate dispatch supplying museums, collectors, shipping companies, galleries and many others world wide.

Tyvek® 1622E is a pin perforated Tyvek® similar to our 1443R grade. The perforations (0.25 - 0.38mm) give additional softness, flexibility and permeability to both air and moisture.



PRODUCT CODE	GRADE / SIZE	FORMAT	PRICE
212-1422	Tyvek 1433R 1524mm x 25m	Roll	£42.50
212-1422100	Tyvek 1433R 1524mm x 100m	Roll	£147.50
212-1422300	Tyvek 1433R 3000mm x 50m	Roll	£206.40
212-7625	Tyvek 1433R 760mm x 25m	Roll	£26.00
212-76100	Tyvek 1433R 760mm x 100m	Roll	£86.00
212-1622	Tyvek 1622E 1524mm x 25m	Roll	£42.50
212-1622100	Tyvek Roll (Grade:1622E) 1524mm x 100m	Roll	£147.50

➤ **Marvelseal® 360**

Marvelseal® 360 is an aluminised polyethylene and nylon barrier film. Both resist the transmission of water vapour and other atmospheric gases. This economical, flexible and easy to fabricate material is used for passive humidity controlled shipping or storage bags. In addition, Marvelseal® is ideal for lining the inside of shipping crates and exhibit cases, and for lining shelves with the objective of decreasing off-gassing from exposed wooden surfaces. It has also been used to create a sealed framing package and to create a low oxygen environment to treat insect infestation.

**Price per roll.**

PRODUCT CODE	DESCRIPTION	SIZE	WT	PRICE
974-3610	Marvelseal® 360	1219mm x 10m	5.7kg	£49.95
974-3650	Marvelseal® 360	1219mm x 50m	29.4kg	£196.75



Marvelseal is often stapled to wooden shelves and shipping crates to reduce off-gassing. Use the acid-free foil sealing tape with acrylic adhesive listed below to cover staples and seal the punctures they create. **Price per roll.**

PRODUCT CODE	SIZE	WT	PRICE
387-0151	32mm x 25m (1.25" w x 1000")	182g	£8.50
387-0156	89mm x 25m (3.5" x 1000")	318g	£19.70

➤ **Moistop Barrier Foils**

PEL supplies the most suitable grade Moistop PP0038 for conservation shipping and protection. PP0038 is 10 microns thicker but still softer and more pliable for wrapping works of art. Silver colour on both sides and easier to work with. Moistop PP0038 is slightly more expensive than some other grades of Moistop but it is the recommended grade for museums.

Moistop is a highly technically designed laminated barrier foil consisting of polyester, aluminium foil and polyethylene, used to prevent corrosion and moisture damage to works of art. Frequently used for lining shelves, drawers and display cases as a barrier against off gassing from wood or MDF and other materials. Heat sealable at 180°C/2 seconds on the PEL Crossweld Sealing Machine.

PEL has high stock levels of the 1500mm wide, however, we can obtain narrower widths, minimums will apply.

PRODUCT CODE	DESCRIPTION	PRICE
970-0010	1500mm x 10m Roll	£44.60
970-0002	1500mm x 200m Roll	£563.70

➤ **Foil-Backed Shelf Liner**

If you have old wooden shelves or cases, you can protect your collections against direct contact with the harmful elements in wood by using this unique material to line drawers or shelves. The aluminium foil on one side acts as a barrier against harmful chemicals while your book or artefact only comes in contact with the alkaline buffered, white paper. For those collections for which unbuffered storage materials are indicated, we suggest you use this liner foil-side up and then top with a sheet of Polyfelt, Ethafoam, or unbuffered blotter. Replace the topsheet as needed; the foil-backed liner can remain in place. Roll size: 25" x 100' on a 3" core.



PRODUCT CODE	SIZE	WT	PRICE
387-2510	635mm x 30m	2.45kg	£56.70

➤ **Microclimate Filtration**

Microclimate filtration material supplied by PEL is a high capacity scavenger to remove indoor pollutant gases in museum display cases and archival boxes. Eliminates sulphur dioxide, nitrogen oxides, ozone, acetic acid, formic acid, formaldehyde and other pollutants for localised protection of works of art. All the mentioned corrosive pollutants in our atmosphere contribute to the deterioration of all organic materials. They tarnish metals, yellow paper, crack paintings and they come from a multitude of sources beyond our control. With PEL Microclimate Filtration material the influence of relative humidity is negligible eliminating the chance of desorption, which is not the case with other carbon absorbents. Contains patented absorbents proven to outperform other filtration mediums, removing large amounts of indoor corrosive pollutants in a short period of time. **Microclimate Filtration Pad** - The pad is microclimate filtration media encapsulation into a non-woven polyester filtration material. This prevents the material from shedding any particles and is much easier to handle.



PRODUCT CODE	DESCRIPTION	PRICE
719-2929	Microclimate Filtration Pad 292 x 292mm	£13.95
719-2961	Microclimate Filtration Pad 292 x 292mm	£27.95
719-2100	Microclimate Filtration Material 588mm x 1 metre	£23.95
719-2500	Microclimate Filtration Material 588mm x 5 metres	£105.95

Archival Fabrics

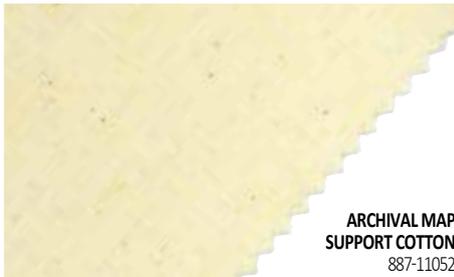
**NEW** range



ARCHIVAL DOCUMENT SUPPORT COTTON  
887-11051



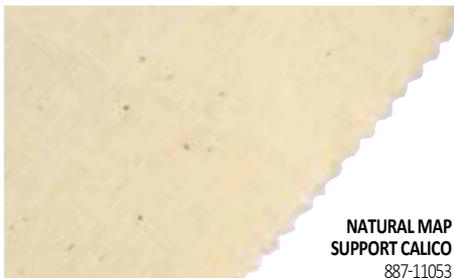
REPAIR LINEN  
887-11054  
SOFT LINEN  
887-11055



ARCHIVAL MAP SUPPORT COTTON  
887-11052



AERO REPAIR LINEN  
887-11057



NATURAL MAP SUPPORT CALICO  
887-11053



NAVY ARCHIVAL BUCKRAM BOX LINEN  
887-11056N



BROWN ARCHIVAL BUCKRAM BOX LINEN  
887-11056B

The new range of Archival Linen fabric has been developed for conservation use. The 100% linen fabric has been treated without the use of bleach and is assisted by neutrally adjusted pH mixes.

A free sample book of this new range is available, please contact us to order one.

PRODUCT CODE	DESCRIPTION / SIZE	PRICE
887-11051	Archival Document Support Cotton 1520mm x 10M Roll	£53.69
887-11052	Archival Map Support Cotton 1520mm x 10M Roll	£53.69
887-11053	Natural Support Calico 1830mm x 10M Roll	£53.69
887-11054	Archival Repair Linen 800mm x 5M Roll	£74.60
887-11055	Archival Soft Linen 720mm x 5M Roll	£74.60
887-11057	Archival Aero Linen 1730mm x 5M Roll	£129.25
887-11056N	Buckram Box Linen 122mm x 5M Navy	£138.30
887-11056B	Buckram Box Linen 122mm x 5M Brown	£138.30
887-SAMPLER	Sample book of all above linens	FREE

Evolon Microfilament Material *what won't you use it for?*

**NEW** product

Evolon is a unique, microfilament fabric with a multitude of conservation uses, from cleaning, drying, blotting, humidification, support, interleaving and more.

- Strong capillary action with minimal lateral bleed ideal for spot cleaning i.e. on suction table.
- Soft, drapable and light (130 gsm), but at the same time, is also strong even when wet.
- Compact lint free fibre structure makes it dense providing good barrier and filtration properties. Microfilaments of polyester and polyamide measure 0.15 Decitex.
- Very absorbent (up to 400% of its own weight in liquid), but also quick to dry and breathable. It can also be cut and sewn like any traditional textile.
- PVC-free; made from polyester, polyamide and water.
- No solvents or binders are used in its manufacture.
- pH of 7.

**Uses;** for humidification of works of art on paper, interleaving, washing and spot cleaning, to aid drying, as a support material for wet treatments, wrapping and we are sure many more uses will be discovered.

*Evolon has been studied by leading conservators at the Metropolitan Museum of Art, we recommend you read their paper online on conservation-us.org.*

PRODUCT CODE	SIZE	GSM	PRICE
908-4310	1200mm x 10m Roll	130gsm	£55.00
908-4344	400mm x 400mm Sheet 25 pack	130gsm	£25.00

PEL is continually developing new materials for conservation, to stay informed of new developments sign-up for our email newsletter service at pel.eu.



Polyester and polyamide microfilaments 0.15Dtex

➤ **Hollytex®**

Very low lint, smooth with high tensile strength. Acid-free non-woven 100% polyester. Used for backing, lining, interleaving, and leaf casting are among its many uses.

As a support material for drying and paper infill it's excellent since it permits instant drainage.

A quality material for conservators who use it in various preservation procedures.

**Price per roll.**



PRODUCT CODE	SIZE	WT	PRICE
492-3251	1194mm x 25m	17gsm	£79.95
492-3257	1016mm x 25m	32gsm	£97.00
492-3242	1219mm x 25m	70gsm	£163.00

➤ **Reemay®**

Acid-free, random-spunbonded 100% polyester, available in three thicknesses in rolls. Reemay has proved over many years to be a strong inert material for preservation and conservation methods. Retains its physical properties when wet and is dimensionally stable during humidity changes.

As with Hollytex it's used in paper infill, a drying support media, lining, interleaving, backing, it can be used over and over again withstanding being laundered. More fibrous than Hollytex, which is reflected in the price, because Hollytex is cullendered for longer in manufacture. **Price per roll.**



PRODUCT CODE	SIZE	WT	THICKNESS	PRICE
492-2250	1219mm x 25m	19gsm	0.13mm	£10.65 Roll
492-2014	1498mm x 25m	34gsm	0.28mm	£36.95 Roll
492-2024	1041mm x 25m	71gsm	0.30mm	£31.95 Roll

➤ **Dartek® Cast Nylon Film**

Conservators will find many new uses for Dartek® cast nylon film. Dartek® is a soft, transparent, nylon film with no plasticisers, additives or surface coatings. It is often used as a covering membrane for lining of paintings on a vacuum hot table or low pressure table, becoming softer as it is heated.

In addition, the film is ideal for long term storage in a dark, climate controlled environment. Dartek® performs well as a short term packing material, makes a great barrier layer for displays, and creates an ideal, transparent dust cover. The .075" thick material conforms easily, is clear, does not puncture easily, and will not stick to painting surfaces. It cuts with scissors, adheres with hot melt or double stick tape, and adheres to itself or other plastics with a heated spatula or tacking iron. **Price per roll.**



PRODUCT CODE	SIZE	WEIGHT	PRICE
216-88200	2235mm x 61m	5.5kg	£111.23

➤ **Polyester Wadding/Batting**

This 100% virgin polyester batting/wadding has numerous uses in preparation and mount making. Use to stuff specimens.

Create "nests" for eggs, shells or minerals. Line drawers or boxes where fragile and delicate specimens are stored (you may want to cover it with Tyvek®). And there are hundreds of ways it can be used in textile conservation. This batting is thermal bonded, so there are no resins to worry about. Approximately 12mm loft. 100gsm **Price per roll.**



PRODUCT CODE	SIZE	WT	PRICE
979-1000	1000mm x 25m	2.5kg	£43.95

➤ **PELfelt (Non-Woven Polyester)**

This non-woven polyester material is a great padding material for drawers, boxes, crates, etc. In addition, the material is often used to display vintage clothing that will be used to display vintage clothing.

Use as padding and stuffing for textiles on display or in storage. Approx 1/8" thick (3mm), White 120gsm. **Price per roll.**

PRODUCT CODE	DESCRIPTION	WT	PRICE
149-1000	1067mm (42") x 50m	6.4kg	£57.95

**Bubble Film Rolls**

The air-filled shock absorber with high performance properties, soft cushioning for tough protection. The bubble film is flexible, strong, tear and moisture resistant. Manufactured from virgin low density polyethylene used to protect artefacts during transit and interim storage. Artefacts should be placed away from the bubble side.



PRODUCT CODE	BUBBLE	SIZE	PRICE
425-1482/1	10mm.	500mm x 100m	£16.55

**Polyethylene Foam Rod**

Archivally safe, closed cell polyethylene foam is now available as extruded rods of 20mm diameters. This versatile material can be used to perform a variety of tasks, including the formation of "doughnut" supports for specimens, gasketing for storage cabinets and exhibit cases, and padding for collection storage and/or shipment.

Also makes a good plug for certain size vials. The material is easily compressible, flexible, and chemically inert. Use hot glue or heat from hot air blower to form and seal this all-purpose material to a suitable shape and form.

Offered in 30m lengths. Don't confuse with harmful polyurethane backer rod. **Price each.**

PRODUCT CODE	SIZE	WT	PRICE
956-075	20mm x 30m	910g	£14.95



**Plastazote LD45 (Large Size Sheets)**

This Museum Foam is recognised and used in conservation for many applications such as drawer lining for various specimens, coins/medals, glass photographic negatives, book rests, display supports, shipping works of art and protecting in archival storage.



This high density closed cell inert foam can be cut cleanly to most shapes using the Thermocutter, and glued together using the Low Melt Glue Gun, it can be sculptured.

Being inert and acid-free, it is also ideal for packing archival boxes to fit the object such as rare books and other valuable items that are subject to potential damage. Clean loose deposits away with an anti-static brush (page 111).

Available in black, white or grey from 2mm to 30mm thickness with no lamination, and up to 290mm thickness with lamination. Call Customer Services for a quote if the dimensions you require are not available below. (Please note minimums will apply when ordering special sizes and thicknesses.)

Tolerance +/- 0.3mm up to 6mm. +/- 0.6mm over 6mm

PRODUCT CODE	SIZE	PACK	PRICE
170-4506	1500mm x 1000 mm x 6mm - Black	Pkg 6	£40.95
170-4512	1500mm x 1000mm x 12mm - Black	Pkg 4	£50.95
170-4528	1500mm x 1000mm x 28mm - Black	Pkg 2	£61.95
170-4503	1500mm x 1000mm x 6mm - White	Pkg 6	£40.95
170-4502	1500mm x 1000mm x 12mm - White	Pkg 4	£50.95
170-4508	1500mm x 1000mm x 28mm - White	Pkg 2	£61.95
170-4516	1500mm x 1000mm x 6mm - Grey	Pkg 6	£40.95
170-4522	1500mm x 1000mm x 12mm - Grey	Pkg 4	£50.95
170-4538	1500mm x 1000mm x 28mm - Grey	Pkg 2	£61.95

**Ethafoam® Foam Planks**

Planks are rigid, inert polyethylene that are easy to cut and shape, conforms to preservation standards, and are used for the support of artefacts on display, in storage or during transportation.



Available in 12" x 24" x 4" (9 planks/case) or 12" x 24" x 2" (9 planks/case). Ideal for making cavity trays. **Price per case.**

PRODUCT CODE	SIZE	QTY/CASE	PRICE
020-12244	600mm x 305mm x 100mm	9	£79.95
020-12242	600mm x 305mm x 50mm	9	£43.20

**For display accessories see pages 184-191**



### Adhesive Backed Volara® Polyethylene Foam

The Volara® Polyethylene Foam professional conservators have known and trusted for years is now available with a pressure sensitive, acrylic adhesive backing. The non-yellowing acrylic adhesive provides resistance to temperature extremes, conforms to irregular surfaces, and has excellent long term aging characteristics. Use in display cases, shipping containers, drawers, trays, boxes, and anywhere else additional padding is required to protect valuable artefacts. This 3mm (1/8"), 2 pound density white foam features a silicone paper release liner. **Price per roll.**

PRODUCT CODE	DESCRIPTION	PRICE
018-1054	25mm x 16.46m (1" x 54ft)	£12.95
018-3054	76mm x 16.46m (3" x 54ft)	£33.30

### Archival Polyethylene Foam

Now available in black for display purposes. Protect your collections by using archival quality polyethylene foam to line display cases, drawers, shelves and boxes. Line phase boxes for extra protection of rare books. Archival Foam Type A is a flexible, closed cell, polyethylene foam which is cross linked by using a unique electron irradiation process that results in a continuous, smooth surface. Foam has excellent chemical resistance, low water absorption and vapour transmission, superb thermal insulation and a non-abrasive, aesthetically pleasing surface. The foam is available in a 33kgm<sup>3</sup> density in both 3mm and 6mm thicknesses, and in either black or white. It is easily cut using scissors, paper cutter or a utility knife.

PRODUCT CODE	COLOUR	THICKNESS	SIZE	PRICE
170-8275	white	3mm	500mm x 25m	£47.50 per roll
170-8275BK	black	3mm	500mm x 25m	£47.50 per roll
170-4275	white	6mm	500mm x 25m	£92.75 per roll
170-8235	white	3mm	500mm x 500mm	£17.95 20 sheet pk
170-8235BK	black	3mm	500mm x 500mm	£17.95 20 sheet pk
170-4235	white	6mm	500mm x 500mm	£19.50 10 sheet pk
170-4235BK	black	6mm	500mm x 500mm	£19.50 10 sheet pk

### White PEL Polyester Felt

The new improved version of our White Polyester Felt Liner is a, gentler, lighter weight material than before. Still ideal for lining of drawers, boxes, and frame cartons, Polyester Felt can be used wherever fragile materials must be cushioned or protected. Needle punched, chemically inert Polyester Felt is available in 3mm and 6mm thicknesses in both rolls and sheets. Textile conservators are finding the material suitable for rolling heavy uneven textiles. **Price per roll.**

PRODUCT CODE	SIZE	PRICE
170-9003	3mm x 1000mm x 25m Roll	£38.60
170-9006	6mm x 1000mm x 25m Roll	£99.45

### Peltek Conservation Material

Peltek is a spun-bonded material, it is inert, very strong, breathable and hydrophobic. We introduced this material from the many requests for low price breathable soft wrapping material for works of art. Especially popular in Europe. Peltek is inert, spunbonded, 100% polypropylene, extremely low linting and available in two widths and weights. Peltek does not fray when cut in any direction, it has no grain and can be cut with scissors or a rotary cutter. Conservators are finding various usages for this material, the price is 75% less expensive than other materials such as Tyvek. **Price per roll.**

PRODUCT CODE	SIZE	PRICE
211-2230	Peltek 30gsm 1200mm x 100M Roll	£38.00
211-2250	Peltek 50gsm 1520mm x 100M Roll	£67.00

➤ **Hook & Loop Coin Fasteners**

These self-adhesive fasteners consist of woven nylon hook and loop mated pairs. They have a very strong neutral pH adhesive and are useful for a variety of purposes including box and folder closures, holding displayed objects in place and exhibitions.

The coins are a very neat method of making a simple secure fastener.

The rounded corners enable easy assembly and avoids lifted edges.

White colour.



PRODUCT CODE	DESCRIPTION	QTY.	PRICE
483-0016	Coins 16mm White (Sold in Pairs)	Set 16	£0.75
483-0020	Squares 25mm White (Sold in Pairs)	Set 24	£1.80
483-1013H	Coin Hooks 13mm White (Hooks only)	Pkg 1550	£14.30
483-1013L	Coin Loops 13mm White (Loops only)	Pkg 1550	£14.30
483-1022H	Coin Hooks 22mm White (Hooks only)	Pkg 1022	£20.60
483-1022L	Coin Loops 22mm White (Loops only)	Pkg 1022	£20.60



➤ **Hook & Loop Tape**

A continuous roll of both hooks and loops. Simply cut the strip to a desired length, attach to both surfaces and press together to fasten. The adhesive is strong and sticks to most surfaces.

PRODUCT CODE	SIZE/TYPE	WT	PRICE
483-1200	20mm x 10m	White	£7.95

➤ **Single-Wrap Hook & Loop**

Self-Gripping Fasteners offer a neat and secure fastening system that is both adjustable and reusable and can never over-tighten. These unique back to back fasteners can be cycled (open and closed) hundreds of times. One side of the tape has the loops and other side the hooks, one single strip is all you need, it wraps round itself. The advantages are the straps can be adjusted, repositioned and reusable. Closed by one single touch. The application is to hold bundles of papers, folders, envelopes and rolled maps/drawings together. Making fastening for phase boxes the single wrap can be riveted to boards. Also used in disaster recovery since water does not prevent the fasteners working. **Price per 25m roll.**

PRODUCT CODE	SIZE/TYPE	WT	PRICE
483-1010W	10mm x 25m White	Roll	£10.95
483-1010B	10mm x 25m Black	Roll	£10.95
483-1025W	25mm x 25m White	Roll	£15.95
483-1025B	25mm x 25m Black	Roll	£15.95



**GLUE GUN SPEC:**

**Power Supply:** 100/240v (Electronic Self Adjust)  
**Power Consumption:** 20-400 watt (Electronic Self Reg)  
**Temp:** 130°C (Self Regulating Heater)  
**Melt Rate:** Up to 750g/hr  
**Adhesive Size:** 12 x 190mm sticks (low melt)  
**Weight:** 280 grams Gun Only

➤ **Low Melt Glue Gun**

We have selected this system because the low melt adhesive gives an instant bonding at a much lower temperature. This makes it easier and safer to use. More significantly it means you can bond heat sensitive substrates, such as Plastazote, even polystyrene foams, fabrics, films, corrugated board and other delicate materials without heat damage. This revolutionary new hot melt glue gun operates at a lower temperature than conventional glue guns. Nearly 70°C lower! It is even possible to stick decoration pieces onto inflated balloons without heat damage. After initial warm up, the glue melts on demand as trigger pressure is exerted. Just apply low melt glue to one surface, then press parts together for instant bonding. Conforms to very high safety standards, it operates using a PTC (Positive Temperature Coefficient) heater that regulates its own temperature electronically. The heater will operate on any voltage from 100-240 voltage and provides a fast warm-up time of only 5-7 minutes.

PRODUCT CODE	SIZE/TYPE	WT	PRICE
419-1000	Glue Gun Low Melt	Each	£21.60
419-1044	Glue Sticks 1 kilo Low Melt (50+ sticks) 12mm x 190mm	Kilo 1	£19.40

➤ **Book Spine Repair Tape**

This black spine repair tape is a self-adhesive, 50mm (2") wide tape for attaching torn book covers.

We would not recommend you use this tape on rare valuable books however, it does make a quick repair for books that are in constant use.



PRODUCT CODE	SIZE	PRICE
550-1505	50mm x 13.7m (2" x 15yds)	£11.85

➤ **Gudy 831**

**NEW** product

Gudy 831 high tack tape offers a wide range of uses for book-binders, conservators, framers, printers and artists. pH Neutral and moisture stable acrylic adhesive, applied by burnishing with bone folder then simply remove the siliconised release liner to expose the adhesive. Replaces the now discontinued Gudy 870 tape.

- Suitable for rough surfaces, for indoor and outdoor applications. Ideal for mounting irregular media such as canvas and fine art papers to rigid substrates.
- For mounting photographs, prints and other difficult substrates to a wide variety of museum archival board and materials.
- Perfect for the archival preservation mounting on acid free or 100% Cotton Rag materials.
- Acid Free and solvent free. PAT test passed.



PRODUCT CODE	SIZE/TYPE	PRICE
620-26384	Gudy 831 19mm x 30M	£7.80



➤ **Unbleached Cotton Archival Tape**

Various uses are made of archival quality tapes, from tying up bundles of documents and folders to bookbinding. This soft, unbleached tying tape is invaluable for tying bundles of books and periodicals to be sent to the bindery, or for tying together damaged books while they wait for repair. Non-abrasive, with no dye to bleed. Available in 3 widths in 100m rolls. **Price per roll.**

PRODUCT CODE	SIZE/TYPE	PRICE
586-0006	6mm x 100m	£5.85
586-0010	10mm x 100m	£6.60
586-0016	16mm x 100m	£8.15

➤ **Hinged Cambric Cloth Tape**

Use this tape to reinforce and reattach book covers, hinge music scores, reinforce pamphlets, etc. Acid-free white cambric tape has neutral pH water activated adhesive and is scored down the centre to make hinging a snap. Roll is 1" x 25 ft. **Price per roll.**

PRODUCT CODE	SIZE/TYPE	PRICE
533-0125P	25mm x 7.6m 45gms	£17.42

➤ **Book Cotton Tape**

This fine-stitched, white cotton textile tape is tear-resistant, acid-free and is designed for strengthening the joint between the inner book and the cover. Self-adhesive, biodegradable and coated on one side with solvent-free, age-resistant acrylic adhesive.

PRODUCT CODE	SIZE/TYPE	PRICE
620-26324	30mm x 25m	£17.90

➤ **Tyvek® Tape - Pressure Sensitive & Gummed**

Tyvek® tape displays incredible tenacity, even under the most rigorous of circumstances providing a mould resistant seal. Uses include; hinging mats, binding folders spines, performing book repairs to battered books, and framing. It's incredibly strong despite it being very lightweight, the Tyvek backing is a spun-bonded polyolefin material which is inert. The tape is archival quality, with both the water activated starch adhesive, and Tyvek being acid-free.

**Pressure sensitive** Tyvek 1073D 75gsm - **Gummed** Tyvek 1057D 55gsm

PRODUCT CODE	SIZE/TYPE	LENGTH	PRICE
804-0150	Pressure Sensitive Tyvek Tape 25mm (1")	46m Roll	£8.35
804-1550	Pressure Sensitive Tyvek Tape 38mm (1.5")	46m Roll	£12.80
804-2250	Pressure Sensitive Tyvek Tape 57mm (2.25")	46m Roll	£20.95
804-0024	Gummed Tyvek Tape 24mm (1")	NEW product 50m Roll	£9.95
804-0048	Gummed Tyvek Tape 48mm (2")	NEW product 50m Roll	£14.95
804-0096	Gummed Tyvek Tape 96mm (4")	NEW product 50m Roll	£29.95



➤ **Barbour 100% Pure Linen Thread**

**NEW** product

Using only the highest quality flax, Coats Barbour Linen thread is ideal for conservation uses. High tensile strength and doesn't stretch. Use in bookbinding in the re-sewing of books in place of silk threads. Various other uses such as mounting and repairs. 50g spools. Off-white/natural colour. **Price per reel.**



PRODUCT CODE	LEA/CORDS WEIGHT	PRICE
402-1001	Linen Thread Waxed 18/3 50g spool	£3.95
402-1002	Linen Thread Waxed 25/3 50g spool	£9.95
402-1003	Linen Thread Polished 35/3 50g spool	£9.40
402-1202	Linen Thread Polished 18/3 250g cop	£22.30
402-1204	Linen Thread Polished 40/3 250g cop	£49.50

**Can't find the thread you are looking for?**

Contact us if you have any queries about our range of threads. We can also obtain other weights and threads.

➤ **Terko Satin Thread** **NEW** product

Coats Terko Satin is a cotton wrapped polyester corespun thread with a glaze finish. Terko Satin combines the excellent sewing performance of cotton with the superior strength and elongation characteristics of continuous filament polyester. The cotton wrap protects the polyester core from needle heat even in the most demanding of applications. The glaze finish binds together the fibrous surface of the thread and creates a lustrous finish to the thread with enhanced abrasion resistance. Natural/Off-white colour.



PRODUCT CODE	DESCRIPTION/TICKET	PRICE
402-1301	Terko Thread 2500M cone / Ticket 25	£16.70
402-1302	Terko Thread 4000M cone / Ticket 50	£18.65

➤ **Tag Ties**

These acid-free soft drapeable tag ties have been heat sealed at both ends to prevent fraying. Made to a suitable 300mm length from polypropylene cord, making them ideal for most labels and tags that already have eyelets. The soft cord ties very easily and securely. **Price per pack of 500.**



PRODUCT CODE	DESCRIPTION	PRICE
613-7000	500 x 300mm lengths	£11.95

➤ **Acid Free Twine**

This acid free archival twine is soft, natural white and ideal for tying labels, binding, bundling and attaching identification tags. It comes in a convenient dispenser complete with built-in cutting blade. This archival twine is especially manufactured for PEL. It is made from 100% polyester, single twisted (does not unravel), it is very strong for its 1mm thickness with a minimum breaking load of 16 kilos. Tested to the regulation EG1935/2004 and 2002/72 **Price per roll.**

PRODUCT CODE	DESCRIPTION	PRICE
463-1001	Acid Free Twine 100m roll	£3.99

➤ **Cotton Book Tape**

This sturdy web cotton twill tape is used for sewing signatures together on the sewing frame; also useful for tying. Easier to use than the stiffer linen tapes. **Price each.**

PRODUCT CODE	DESCRIPTION	WIDTH	PRICE
870-6562	13mm x 50m	1/2"	£6.20
870-5872	16mm x 50m	5/8"	£7.15

➤ **Super**

An open weave cotton cloth for good adhesive penetration. Its purpose is to unite signatures while leaving the backbone of the book flexible. 1 yard square. **Price per yard.**

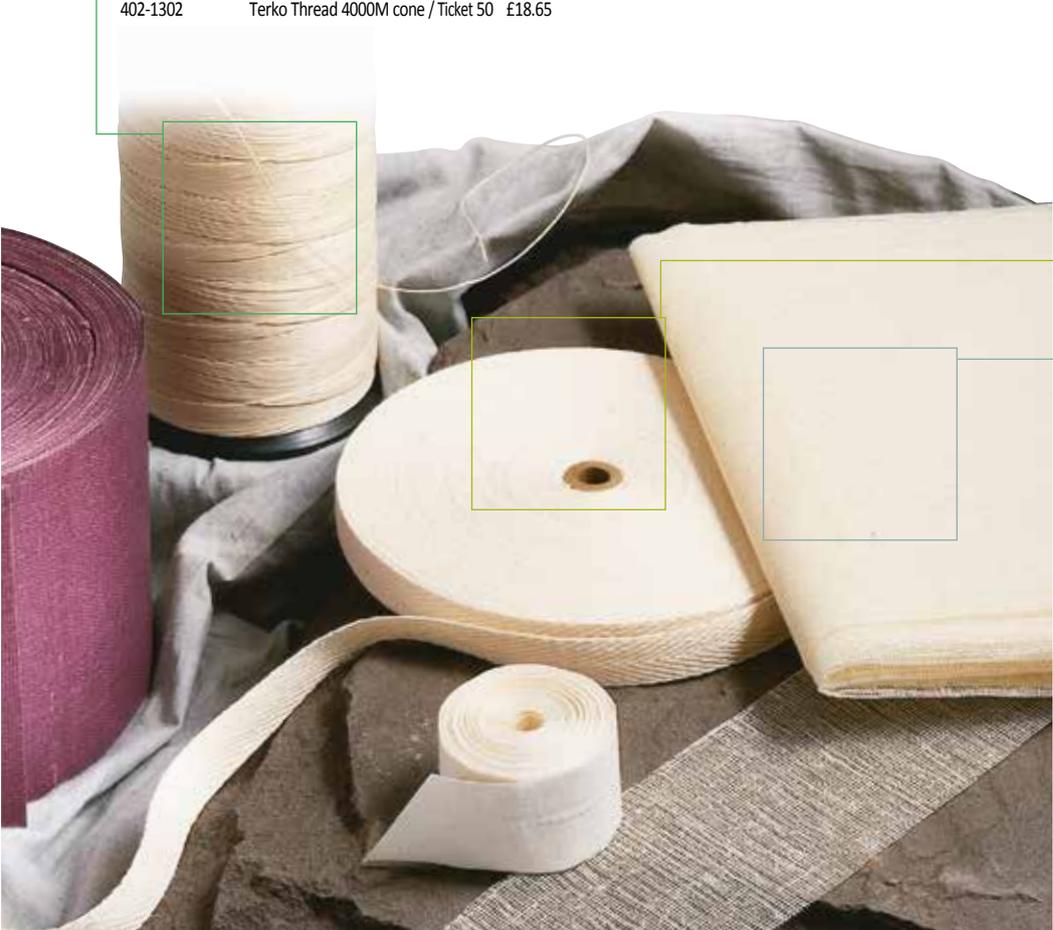
PRODUCT CODE	DESCRIPTION	PRICE
870-102YDB	45gms	£9.66

➤ **Tyvek Tags & Labels**

Identity tags for artefacts and specimens used in museums for labelling works of art, very strong, tear-proof, waterproof, can be used outside. Tag has eyelet reinforced hole, supplied without ties. We suggest our acid-free twine is used for ties, so you can cut to the necessary length.



PRODUCT CODE	SIZE	PRICE
613-7550	75mm x 50mm	£37.95 per 1000
613-7510	150mm x 100mm	£55.00 per 500



➤ **Neutral pH PVA**

Our best selling acid free adhesive, it has excellent lay-flat properties this helps to keep curling or waves in the paper to a minimum and dries clear.

The easy to use polyvinyl acetate (P.V.A.) formula is fast setting, remaining tacky for long enough to be worked before drying completely. This adhesive was formulated specifically for preservation materials, dries semi-clear and flexible and should not become brittle with age. Adheres to most surfaces. 225ml (pictured) features a dispenser cap. A dispenser pump is available separately to fit the 3.8L bottle.



PRODUCT CODE	SIZE	PRICE
901-1008	225ml Dispenser Bottle (pictured)	£3.95
901-1032	950ml Bottle (screw cap)	£13.80
901-1128	3.8L Bottle (screw cap)	£33.81
411-1000	Dispenser Pump - Fits 3.8L Size Only	£6.45



➤ **Self Adhesive Linen Hinging Tape**

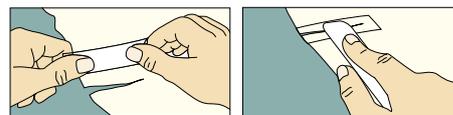
Self Adhesive Linen Tape is an extra strong, very thin linen cloth coated with a neutral pH non-yellowing, pressure sensitive acrylic adhesive. The high thread count makes it an excellent choice for hinging window mats to backer mats, or for making repairs in book, etc. **Price per roll.**

PRODUCT CODE	SIZE	PRICE
533-1015	32mm x 10M	£8.85
533-1055	32mm x 46M	£25.34



➤ **Archival Paper repair tape**

This very thin and extremely transparent pressure sensitive archival mending tissue is non-yellowing, removable with solvents, and has a neutral pH. To use, dispense a length of the tissue, place over the tear, and burnish with a bone folder. Working the adhesive into the tear causes the adhesive to strengthen the tear as well as cover and support the area around the tear. **Price per box.**



**To Use:** Dispense a length appropriate for the area to be mended. Place over the tear, burnish gently, working the adhesive into the tear itself. For extra strength, do the same to the reverse side of the tear.

PRODUCT CODE	SIZE	PRICE
901-0198	25mm x 10 metre	£5.99
533-0198	25mm x 30 metre	£8.93



➤ **Gummed Paper Hinging Tape**

The high tensile strength of this quality, water activated hinging tape will support all but the heaviest works of art. The paper is acid-free with a calcium carbonate buffer and a pH of 8.5. The neutral pH adhesive has excellent tack to hold firmly without slipping or "creeping." PAT passed. **Price per roll.**



PRODUCT CODE	SIZE	PRICE
533-0751	25mm x 40M	£5.95



➤ **Gummed Linen Hinging Tape**

This water activated tape, with 65/55 thread count fabric, provides superior strength for hinging, mounting, or repair applications. The neutral pH adhesive has high tack, lay flat properties that make it a favourite for hinging mats and heavy pieces of artwork. **Price per roll.**

PRODUCT CODE	SIZE	PRICE
533-1025	25mm x 9M	£5.87
533-1050	25mm x 46M	£17.95
533-1520	38mm x 91M	£59.80
533-2020	51mm x 91M	£70.65

➤ **Document Cleaning Pads**

Pel's Document Cleaning Pads are recommended for cleaning dusty, dirty, or mouldy paper items. These pads contain a soft, grit-free powder that absorbs and cleans surface dirt from paper. Size 120 x 50mm **Price each.**



PRODUCT CODE	SIZE	PRICE
782-1004	Document Cleaning Pad	£2.95



Abaca.sa is an archival self-adhesive hinging tape which incorporates the strength and suppleness of Abaca paper (Manila hemp) along with a very strong acrylic adhesive that's permanent and non-yellowing. Abaca.sa is strong enough to hold large digital prints and supple enough to adhere to the print without distorting. Abaca paper is acid-free, biodegradable and comes from a self sustainable plant.

PRODUCT CODE	SIZE	PRICE
533-0754	25mm x 45m Roll	£10.86



**J-Lar Transparent Tape**

J-LAR "Clear-to-the-Core" tape is used for joining coloured work without yielding any colour shifts and is ideally suited as a label protection tape also for edge sealing polyester pockets and sheets. This extraordinarily clear tape is acid free self adhesive with a clear polypropylene base.

PRODUCT CODE	SIZE	PRICE
425-9382	25mm x 66m	£5.99



**Double Sided Polyester Tape**

A double coated transparent tape used by the Library of Congress and many archivists. Use to attach sleeves and mounts to album pages and exhibition sheets. Also used in encapsulation to seal polyester film to another sheet of film, thereby forming an envelope around the document.

3M 415 glass clear double sided polyester tape is a grade not readily available outside the USA. The release liner allows perfect positioning of the tape, simply remove the liner once the tape is in position. Tape is permanent and should not be attached directly to works of art.

PRODUCT CODE	SIZE		PRICE
401-4151	6mm x 33m	Roll	£8.95
401-4152	13mm x 33m	Roll	£10.50
401-4153	25mm x 33m	Roll	£21.95



A winning line-up of tapes for a wide range of applications, from repairing torn documents to sealing picture frames.

**Self Adhesive Hinging Tissue**

This pressure sensitive, Mounting/Hinging Tissue is a fine, long fibre tissue with an archival quality, pressure sensitive acrylic adhesive that is permanent and non-yellowing. Ideal for hinging translucent art such as Japanese paper, papyrus, and other light weight art because it won't show through. Mineral spirits are required for removal. **Price per roll.**

PRODUCT CODE	SIZE	PRICE
533-0125	25mm x 10M	£7.11
533-0126	25mm x 30M	£12.31



**Filmoplast® P**

For Mending Paper. Filmoplast® P is a highly transparent mending tape suitable for invisible dry mending of tears in documents, pages, maps, etc. Made of very thin, acid-free tissue coated with a self-adhesive. Tested by the Federal Institute for Materials Testing who reported a pH of 8.8 on unaged tape, 8.1 on aged material. **Price per roll.**

PRODUCT CODE	SIZE	PRICE
620-0001	Filmoplast® P (19mm x 50m)	£8.95

**Filmoplast® P-90**

Self Adhesive Paper Tape. Filmoplast® P-90 is a long fibre paper tape which is especially useful for repairing joints of book sections to be restitched, replacing torn-out pages, and mending damaged edges of documents and pages. Tested by the Federal Institute for Materials Testing with a reported pH of 9.1 on unaged tape and a pH of 7.8 on aged tape. **Price per roll.**

PRODUCT CODE	SIZE	PRICE
620-0002	Filmoplast® P-90 (19mm x 50m)	£8.59



**SHIPPING & PACKING**

We are frequently asked to supply various materials for shipping works of art. We have now included many products for use in transporting museum collections. Although this page features products used for packing and protecting you will find other products within this catalogue. Data Loggers Shock/Vibration, Temperature and Humidity. Tyvek, Cotton and Finger Grip Gloves, Silica Gel, Art-Sorb, Humidity Meters, Zip Lock Bags, Bubble Wrap, Tyvek Tags and Labels, Museum Wax, Insect Traps, PEL-Softwrap, Acid-Free Tissue, Polyester Pockets and Wallets, Roll Storage Tubes, Cotton Tying Tape, Acid-Free Folders and Envelopes, Map and Banner Bags, Packing Tapes, Fragile Tapes, Lift Off Tape, Plastazote and other foams. Thermocutter Hot Cutting Knife, Cotton Twine, Corrugated Boards, Paper and Corroplast, PEL-Seal Archival Microclimate, Low Melt Glue Gun, Collapsible Crates, Polyester Batting, Polyfelt, Ethafoam Crystals, Balances and Scales, Acid-Free Boxes.



➤ **Handheld Tape Dispenser**

Designed for use with most self adhesive tapes (not suitable for gummed tapes). The dispenser has a special built in brake, which adjust easily for various tapes unwinding speeds. Particularly suitable for use with packing tapes with widths of 50mm wound on 75mm diameter cores.

PRODUCT CODE	PRICE
425-0709	£6.95



➤ **Cotton Twine**

This acid-free unbleached cotton twine is suitable for tying our Tyvek tags and doesn't fray or unravel. It is soft and drapable and can also be used on other labels, bundling, attaching identification tags and other applications. 240m length, 2mm twine.

PRODUCT CODE	PRICE
460-1002	£5.45

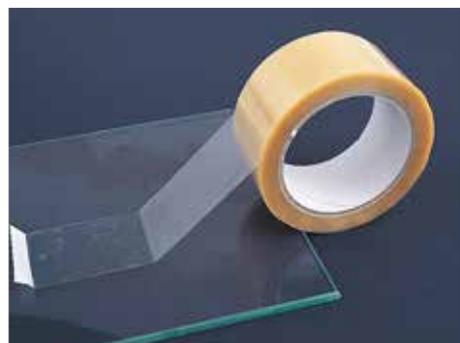


**Bubble wrap**  
see page 81

➤ **Corner Protectors**

We use these corners for shipping various packs of board and paper flat packs to protect the vulnerable corners. Shipping damage is significantly reduced. Our customers have requested we offer them in our catalogue. Expanding corner protectors are a simple method to protect corners and eliminate damage to picture frames, table tops, books, mounting boards and most flat packs. Available in two sizes from 14mm to 70mm thickness. **Price per pack.**

PRODUCT CODE	EXPANDING SIZE	QUANTITY	PRICE
425-0013	14mm-40mm	48	£4.35
425-0014	40mm-70mm	48	£9.95



➤ **PEL-Protection Tape**

This low tack clear tape lifts off without leaving adhesive residue behind. Ideal for shipping glass and protecting picture frames in transit. Attaches to most surfaces including paper and can be removed easily leaving no sticky adhesive behind.

PRODUCT CODE	SIZE	PRICE
425-0700	50mm x 66m	£3.95 each



➤ **Packing Tape**

This general use tape is pressure sensitive and is used for packing cases and parcels. Should not come in contact with valuable works of art and is difficult to remove. **Pack of 6 rolls.**

PRODUCT CODE	SIZE	PRICE
425-0200 Buff	48mm x 66m	£5.95 6 rolls
425-0210 Clear	48mm x 66m	£5.95 6 rolls

➤ **Fragile Warning Tape**

Made from polypropylene the tape is pressure sensitive and helps to protect cases and parcels from transit hazards. Printed red on white.

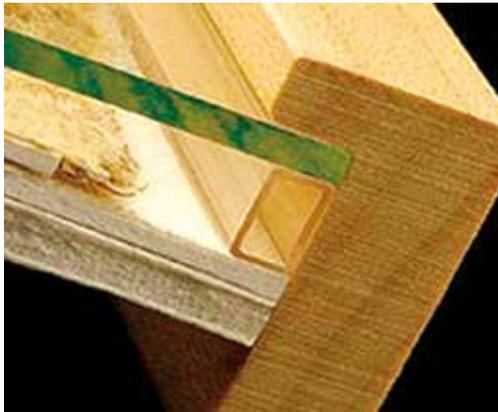
PRODUCT CODE	SIZE	PRICE
425-0643	50mm x 66m	£1.69 each



See-Thru Mounting Strips

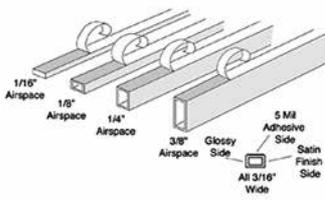
Use these mounting strips for safe, hinge-less mounting of artwork to mats. Sturdy and safe, Lineco Mounting Strips are made from conservation quality Mylar® polyester and acid-free paper with a self adhesive backing strip. Simply position the print or photograph in place and adhere strips to the mat. No adhesive ever comes in contact with the artwork, instead, the art is “cradled” by inert Mylar® and is ready to be framed. Available in our regular 4” strips and now in an economical 12” bulk package. Both can be cut to just the right size for a particular job. Both lengths sold in packages of 60 strips. **Price per package.**

PRODUCT CODE	SIZE	WT	PRICE
533-4015	102mm (4")	182gms	£8.60
533-4020	305mm (12")	591gms	£21.90

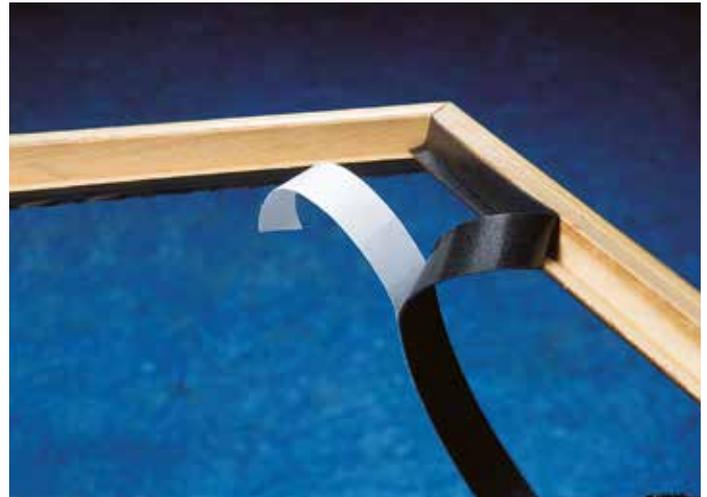


EconoSpace®

A simple solution for conservation framing, keeps the glass away from the art. Works on both wood and metal frames, has acid-free high-tack acrylic adhesive. EconoSpace® is hollow for stiffness and lightness, does not sag in the frame, cuts clean and easily. Available in clear with one side matte and the other side glossy to create the right effect inside of the frame. **Price per pack**



PRODUCT CODE	DESCRIPTION	QUANTITY	PRICE
724-0125	3.17mm (1/8") x 1.5m (5 feet)	20	£33.95
724-0150	6.35mm (1/4") x 1.5m (5 feet)	12	£25.95
724-0062	1.587mm (1/16") x 1.5m (5 feet)	20	£33.95



Rabbit Tape

This inert 1/32” (0.8mm) thin foam tape features a high tack acrylic adhesive for lining frame rabbets. Protects canvas transfers, digital media and other forms of art by providing a cushion. Seals the glass in frames preventing insects entering the framed work (acts like draft excluder). Holds the glass firmly in a picture frame.

PRODUCT CODE	DESCRIPTION	WT	PRICE
018-1436	6.35mm x 33m (1/4" x 36 yards)	363g	£10.50

Volara Foam Adhesive Tape



Volara self-adhesive polyethylene foam tape is one professional conservators have known and trusted for years.

The non-yellowing acrylic adhesive provides resistance to temperature extremes, conforms to irregular surfaces, and has excellent long term aging characteristics.

Use in display cases, shipping containers, drawers, trays, boxes and anywhere else additional padding is required to protect valuable artifacts.

This 3mm, 2 pound density white foam features a silicone paper release liner.

PRODUCT CODE	DESCRIPTION	WT	PRICE
018-1054	25mm x 16.46M	Roll	£11.40
018-3054	76mm x 16.46M	Roll	£30.59

Museum Mounting Kit

Everything you need to mount graphics and original art using rice starch and paper hinges.

This kit contains a 2-oz. jar of unmodified Rice Starch Adhesive, enough heavyweight Mulberry Paper to make approximately 150 hinges, and a 25m x 254mm roll of Pressure Sensitive Linen Tape for hinging mats. Complete instructions included.

**Price per kit.**



PRODUCT CODE	DESCRIPTION	WT	PRICE
533-2000	Museum Mounting Kit	182gms	£18.10

➤ **Frame Sealing Tape**

Developed specifically to seal backing board to frames, this pressure sensitive tape attaches firmly to almost any surface, and conforms well to most surface irregularities. Manufactured from our exclusive Perma/Seal® label stock with a foil layer, a non-yellowing, permanent acrylic adhesive and coated to match our Frame Backing Paper above. Also provides an effective barrier for the rabbets of wooden frames. Available in White and Blue/ Grey.

**Price per roll.**

PRODUCT CODE	COLOUR	SIZE (W X L)	WT	PRICE
387-0151	blue/grey	32mm x 25m	182gms	£8.50
387-0155	blue/grey	32mm x 152m	1kg	£36.10
387-0156	blue/grey	89mm x 25m	0.55kg	£19.70
387-0156F	blue/grey	89mm x 152m	3.27kg	£84.05
387-0152	white	32mm x 25m	182gms	£8.39
387-0154	white	32mm x 152m	1.09kg	£36.10

➤ **Acid-Free Buffered Frame Backing Paper**

**Easy-to-use 90gsm Standard Weight.**

Protect your framed artwork from dust with conservation quality Perma/Dur® Frame Backing Paper. The durable paper offers acid-free, buffered, long term protection with an attractive blue-grey finish. The paper's moderately porous surface allows the frame to breathe readily and contains no harmful acids that commonly occur in brown kraft paper. Each roll is 96m long on a 76mm core to fit standard roll dispensers. Folds, cuts and handles like inferior kraft paper backing, without the damaging acids. **Price per roll.**

PRODUCT CODE	SIZE	WT	PRICE
613-0035	914mm x 91.5m (36" x 300')	9.09kg	£58.44



**For mounting board**  
see pages 60-65

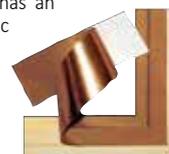
➤ **Tyvek® Frame Backing Paper**

(Not shown)  
Tyvek® is easily cut and worked like traditional paper for frame backing. However, it is more suitable because it is stronger, moisture resistant, filters out 99.9% of particles 0.5-0.7 micron. Tyvek is lint-free, tear resistant and does not attract dust or insects. A material recognised and used by conservators.

PRODUCT CODE	SIZE	PRICE
212-9064	900mm x 640mm 50 sheets	£66.35
212-9000	900mm x 640mm 250 sheets	£287.60

➤ **Corrosion Frame Sealing Tape**

This frame sealing tape features Corrosion Intercept which reacts and neutralizes corrosive gases. The polyethylene tape has an embedded copper matrix which is coated with an acrylic adhesive. It is flexible, strong and puncture resistant for easy application and resists mould and mildew. Off gassing from the wood frame and corrosive gases in the atmosphere are absorbed and neutralized. Strong adhesive sticks to raw wood. 1.25" x 85 ft (32mm x 26m). Has passed the PAT test.



PRODUCT CODE	SIZE	PRICE
034-2000	32mm x 26m	£11.93

**➤ Gummed Paper Photo Corners**

Enjoy the ease of application and a traditional appearance with these handy 13mm archival quality photo corners. These acid-free paper corners include a neutral pH, water activated adhesive that is quick and easy to use. A great look in any photo album, but especially attractive on our photo and scrapbook album pages.

Price per box of 240 individual corners.

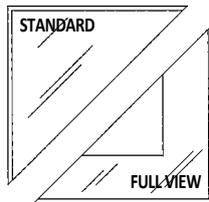


PRODUCT CODE	COLOUR	WT	SIZE	PRICE
533-0025	Ivory	0.136kg	13mm	£3.33

**➤ Mounting Corners for large artwork**

These Lineco polypropylene mounting corners provide extra strength and are available in sizes to accommodate larger art pieces. They are safe and acid-free.

The full view variety minimises the border required to hide the corner under the window mat in a picture frame. Can be used for light to heavyweight photographs and artwork. Prevents prints and photo-graphs coming into contact with the mounting corner adhesive and allows the artwork to be removed in its original pristine condition.



PRODUCT CODE	SIZE	QTY/PKG	PRICE
533-0022	5/8" (16mm)	500	£4.65
533-0034	1.25" (32mm)	250	£9.90
533-0035	1.25" (32mm) Full View	250	£10.65
533-0036	3" (76mm)	100	£9.50
533-0037	3" (76mm) Full View	100	£10.10

**➤ "A-MAZE-ing Picture Hook"**

The A-Maze-ing picture hook is a sure secure way to hang pictures and heavy mirrors.

This heavy duty hanger traps the backing wire in the maze and prevents wall hangings from jumping off the hook.

Will hold items up to 45 kilos. Simple to install and easy to remove.



PRODUCT CODE	DESCRIPTION	PRICE
615-4338	A-MAZE-ing Picture Hook	£3.75

**➤ Pressure Sensitive Paper Photo Corners**

Archival paper photo corners are acid-free, archival safe and lignin-free to ensure that your photos and albums will not be damaged over time. In addition, photo corners allow you to remove your photos from the album page very easily at any time. Photo corners are 13mm in size and use a pressure sensitive adhesive. Available in black, gold and ivory.



PRODUCT CODE	COLOUR	QTY	PRICE
533-0028PS	Gold	Pkg 252	£3.33
533-0024PS	Black	Pkg 240	£3.33
533-0025PS	Ivory	Pkg 240	£3.33

**➤ Photographic Infinity Tabs®**

Photo Tabs provide a simple solution to permanent mounting of photos, news clippings, postcards, etc. The 0.5" square tabs have an acid-free, non-yellowing, pressure sensitive adhesive on both sides. Simply apply the tabs to the back of the photo, peel away the easy-lift release liner and press your photos into place. Infinity Photo Tabs® have passed the P.A.T. test. Price per package of 500 tabs.



PRODUCT CODE	DESC	QTY	PRICE
533-0030	Photo Tabs 1/2" Square	Pkg 500	£2.95

**➤ Self Adhesive Preformed Mounting Corners**

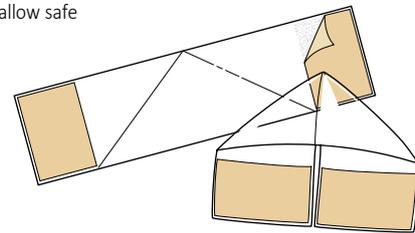
Conservation quality polyester, self adhesive mounting corners provide a safe, time saving method of securing photos, documents and artwork. Crystal clear, these corners provide a virtually invisible method of mounting. 2 sizes available, offering time saving convenience without the harmful plasticisers used in lesser quality vinyl corners. Non-yellowing acrylic adhesive backing never comes in contact with artwork.



PRODUCT CODE	DESC	QTY	PRICE
533-0020	13mm Self-Adhesive Mounting Corners	Pkg 240	£4.99
533-0021	35mm Self-Adhesive Mounting Corners	Pkg 240	£9.97

**➤ Pre-Scored Mounting Corners**

Crystal clear Archival Mounting Corners allow safe mounting of photographs, post cards, ephemera, clippings, letters, prints or nearly any paper item. Archival Mounting Corners are pre-scored for speedy application and are made of Mylar® polyester.



The self-stick adhesive is 3M 415 tape. Available in either 16mm or 22mm size, these corners offer easy and practical means of archival mounting.

PRODUCT CODE	SIZE	WT	PRICE
545-2336	16mm	0.09kg	£6.73
545-2337	22mm	0.09kg	£9.14

**Check stock and order online**  
[www.preservationequipment.com](http://www.preservationequipment.com)





### Wheat Starch (uncooked)

A very carefully purified, uncooked food grade wheat starch. When cooked, it makes a superior smooth wheat paste adhesive. note: must be cooked. Price each.

PRODUCT CODE	SIZE		PRICE
615-1008	(8oz.)	227g	£4.20
615-1000	2 kilos (4.4lbs)	2.14kg	£16.00

### Wheat Starch (Pre-cooked)

A purified pre-cooked food grade wheat starch. Produces a smooth wheat paste adhesive without the need for cooking. Pre-cooked wheat starch dissolves easily in cold water and can also be mixed with PVA adhesives or methyl cellulose.

PRODUCT CODE	SIZE		PRICE
615-2008	Pre-Cooked 225Gr (8Oz)		£5.00
615-2000	re-Cooked 1.5Kg(3.3lb)		£21.00

### Belgian Rice Starch

Similar to wheat starch, but it yields a lighter, thinner starch adhesive paste after cooking. note: must be cooked. Price each.

PRODUCT CODE	SIZE		PRICE
615-1502	(2oz.)	90g	£5.89
615-1508	(8oz.)	273g	£8.26
615-1500	2 kilos (4.4lbs)	2.14kg	£27.97



### Japanese Strainers

Beautifully made from natural materials in Japan a high quality traditional item. Available in horsehair, 240mm (9.45") diameter. They are used to strain paste, after cooking and especially after storage and re-cooking. This removes any lumps and makes a very smooth paste.

PRODUCT CODE	SIZE		PRICE
996-7024	Horsehair		£115.00

### Repair/Hinging Blotters

We recommend you use these acid-free, highly absorbent blotters when you're hinging or repairing with Japanese paper and wheat starch paste. This conservation quality blotting paper has a soft textured surface, a pH of 8.0 and is buffered with 3% calcium carbonate. Blotters may be used over and over. Price per package of 24-6"x 6" blotters.

PRODUCT CODE	SIZE		PRICE
702-6060	227g 152 x 152mm 24		£16.76

### Porcelain Mortar & Pestle

The ceramic mortar and pestle have been used for centuries as a means of reducing substances to powder and for mixing. It's still a great tool for obtaining a smooth mixture of paste or adhesives for your restoration work. Price each.

PRODUCT CODE	SIZE		PRICE
936-MORT	273g		£9.25

### Jin Shofu

Jin Shofu Japanese wheat paste is a high quality smooth strong paste for mounting papers and boards. Preparation is one part Jin Shofu to three or four parts water and mix thoroughly. You may need to experiment to obtain the correct consistency for your project. More water will make a thinner paste and longer cooking time will thicken the paste. During cooking stir constantly. Microwave cooking mix 5 parts cool water with one part Jin Shofu. When the solution becomes clear remove it from the heat and let it cool to room temperature before using. For fine paste strain through a Japanese Strainer. Store prepared Jin Shofu in a sealed glass or plastic container in the refrigerator. Any mould that grows can simply be scraped off the top.

PRODUCT CODE	SIZE		PRICE
996-8000	1kg		£17.95



### Scotch™ Glue Stick

This non-toxic, acid free odour free, solid adhesive is a convenient means of adhering paper, cardboard or lightweight fabrics. White adhesive, with a pH of above 7, goes on clear and dries clear. Price each.

PRODUCT CODE	SIZE		PRICE
477-0023	205g		£1.74

### Paraloid B-72 Adhesive (Pellets)

Paraloid B-72 is a copolymer of ethyl methacrylate and methyl acrylate supplied in 100% resin pellets which are soluble in acetone, toluene, and xylene. An excellent general purpose resin/adhesive, it can be applied in either clear or pigmented coatings by a variety of application methods and can be air dried or baked. It has a very low reactivity with sensitive pigments, and is durable and non-yellowing. Use in very dilute (5%) concentrations to consolidate flaking glazes or decayed surfaces; use in heavier concentration (20%) to form adhesive. This material has also been used as an underlining for numbering, a varnish for paintings, and a gap filler. The product is reversible with solvents. Price each.

PRODUCT CODE	SIZE		PRICE
422-9250	250g		£6.50

### Jade Adhesive 403N

Jade 403 Polyvinyl Acetate Adhesive is a neutral adhesive that is extremely flexible, fast setting, and dries transparent. This popular adhesive is used in numerous applications, including bonding wood, plastic, ceramics, vellum, and a variety of commonly used bookbinding materials. This adhesive will freeze. Avoid winter shipments when possible.

PRODUCT CODE	SIZE		PRICE
964-40308	8oz.	273gms	£7.60
964-40332	quart	1.1kg	£20.70
964-403128	gallon (3.8litre)	4.3kg	£59.50



**➤ Methyl Cellulose Adhesive Tube**

The 40ml tube is ready to use with a fine dispensing nozzle. The adhesive is a bio polymer cellulose derivative (methyl hydroxyl ethyl cellulose). From a conservation point of view it is reversible, adhesive and water soluble and a high quality adhesive. Used for mounting papers, picture framing and works especially well with Japanese papers. This ready made adhesive is extremely suitable for various conservation applications and is transparent.

PRODUCT CODE	SIZE	PRICE
793-1400	40ml Tube	£12.95



**➤ Methyl Cellulose Adhesive**

A neutral pH, water reversible adhesive that dries clear. Use for repair, gluing end sheets and general archival adhesive applications. Simply mix with water, available in small 1.5 oz jars or a kilo tub.

PRODUCT CODE	SIZE	PRICE
793-1008	170g (6oz)	£5.75
793-1002	1 kilo (2.2lbs)	£25.65



**➤ Ethulose**

Forms a tough flexible film when dry. Easy to prepare simply dust the correct amount of Ethulose onto the surface of well stirred water, stir until the mixture thickens, and let it stand overnight until Ethulose is fully dissolved. A 4% solution in water is about as viscous as honey; 8 to 10% solutions are gels and typically do not flow. These solutions may be diluted with pure ethyl alcohol to produce solutions where water alone would stain or defibrillate the paper items. Ethulose solutions do not support bacteria or mould growth.

PRODUCT CODE	SIZE	PRICE
615-2500	225g	£11.75

**➤ White Neutral pH Adhesive (P.V.A.)**

Our acid-free adhesive has excellent lay-flat properties and dries clear. Easy to use polyvinyl acetate (PVA) formula is fast setting. This adhesive was formulated specifically for preservation materials and will not become brittle with age. Adheres to most surfaces. **Price each.**

PRODUCT CODE	SIZE	WT	PRICE
901-1008	225ml (8oz.) in Dispenser Bottle	227g	£3.95
901-1032	950ml (Quart)	0.95 litres	£13.80
901-1128	3.8 Litres (Gallon)	4.27kg	£33.81

**➤ White Neutral pH Adhesive (E.V.A.)**

This specially formulated, ethylene vinyl acetate copolymer (EVA), neutral pH adhesive was created for the lamination of paper and paperboard. The reversible adhesive is free of plasticisers and less susceptible to acid hydrolysis than more common archival quality adhesives which can sometimes break down and emit acetic acid vapours. These vapours can be particularly harmful to items stored in a microclimate of a box. The incorporation of a small quantity of calcium carbonate also helps to stabilize the adhesive.



EVA adhesive is ideal for general bookbinding applications, creating boxes and envelope, and for laminating paper and board. A rugged, reusable plastic pump to dispense small quantities of glue from gallon containers is also offered.

PRODUCT CODE	SIZE	PRICE
601-1007	110ml	£3.15
601-1008	225ml	£4.75
601-1032	950ml	£15.90
601-1128	3.8L	£38.90

**➤ Dispenser Pump**

Take advantage of the lower cost on 3.8L (gallon) containers of EVA or PVA. Now you can use our rugged, reusable plastic pump to dispense small quantities of glue from gallon containers. No more drips, spills, or sticky messes to clean up! Fits all our gallon containers. A real handy money-saver! Inexpensively priced. **Price each.**



PRODUCT CODE	PRICE
411-1000	£6.45

**➤ Polyvinyl Alcohol Adhesive**

A good conservation adhesive which ages without yellowing. Polyvinyl alcohol is extremely soluble in water for reversibility, and remains flexible as it ages. **Price each.**

PRODUCT CODE	SIZE	PRICE
411-1008	240ml with applicator top	Each £10.00
411-1016	480ml bottle	Each £22.81

**➤ Beva® 371 Film (Gustav Bergers)**

Beva® is an adhesive created specifically for conservation applications. Activate the adhesive with a tacking iron or hot air blower. Since it is not a liquid it can be cut and applied to small, well defined areas with no fear of it spreading. You'll find many uses in the repair of papers, paintings and textiles.

**BEVA Film** - adhesive film sandwiched between white silicone-coated paper and a Mylar® supporting sheet. **Priced per roll.**

**BEVA TEX** - pH neutral non-woven polyester fabric which is coated on one side with Beva 371. **TEX Price per sheet.**

PRODUCT CODE	SIZE	PRICE
695-371	BEVA 371 Film 686mm x 5m	£106.50
695-3705	BEVA 371 Film 13mm x 35M	£15.00
695-3TEX	BEVA TEX 914mm x 685mm	£27.75



➤ Archival Inks

These permanent, non-fading inks are resistant to light, heat, and water, and contain no impurities that can affect the permanence of paper or photographic materials. Black Actinic Inks are chemically stable and feature an inorganic pigment that has no tendency to absorb impurities like other ink pigments can. Caution must be used to guard against contamination of pens and stamp pads by other, non-archival inks. **Price each.**

**ARCHIVAL INK WRITING KIT INCLUDES** 2oz. Black Actinic Ink #230, steel pen, 1 pen holder and directions.

PRODUCT CODE	WT	PRICE
885-230K	230g	£13.10

**BLACK ACTINIC INK #125 FOR STAMP PADS.** 2oz. bottle with brush in cap.

**CLEAR PRINT UN-INKED WOOD BLOCK STAMP PAD SET.** includes wood stamp pad 63.5mm x 102mm (2.5" x 4") in reusable case.

PRODUCT CODE	WT	PRICE
885-125	57g (2oz)	£7.65

PRODUCT CODE	WT	PRICE
885-1000	100g	£4.00

**BLACK ACTINIC INK #230 FOR WRITING,** for use with steel tip quill pens.

**ARCHIVAL INK STAMPING KIT INCLUDES** 2oz. Black Actinic Ink #125; 3 disposable un-inked wood ink pads. 44mm x 75mm (1.75" x 3") applicator and directions (no case included).

PRODUCT CODE	WT	PRICE
885-230	57g (2oz)	£7.30

PRODUCT CODE	WT	PRICE
885-125K	273g	£14.20

➤ Reservoir Brush (Water Brush)

A Japanese innovation which is as revolutionary to the traditional calligraphy brush as the fountain pen was to the quill in Europe. Made from polyethylene, polypropylene and nylon, the reservoir brush enables the application of liquids without the necessity of continually refreshing the tip through dipping. This ensures a more even distribution than normal brushes allow over a larger area, thus making it ideal for many brush-based conservation treatments where consistency is a requirement. The reservoir brush may be used for a number of applications, from wet-tearing (without the abrasive scratching usually associated with stylus pens) to the localised application of solvents\*, deacidification agents and detergents. The Reservoir Brush has been used to good effect with vacuum treatments on the PEL Cold Suction Table and Small Suction Platens.

**Price each.** \* Not suitable for use with Alkenes, or Ketones.



PRODUCT CODE	DESCRIPTION	WT	PRICE
685-0101	Reservoir Brush (Water Brush) Detail Tip	8.0g	£3.65
685-0102	Reservoir Brush (Water Brush) Small Tip	8.0g	£4.40
685-0103	Reservoir Brush (Water Brush) Medium Tip	8.0g	£4.95

➤ UV Security Marker Pen

This pen is designed for marking security codes, catalogue numbers and postcodes on valuable property, providing an effective form of hidden identification. The mark will be permanent and invisible, the revealing blue ink is exposed under UV blacklight.



PRODUCT CODE	DESCRIPTION	WT	PRICE
946-5007	Blue UV Ink Pen	9g	£0.99



➤ Lineco's pH Testing Pen

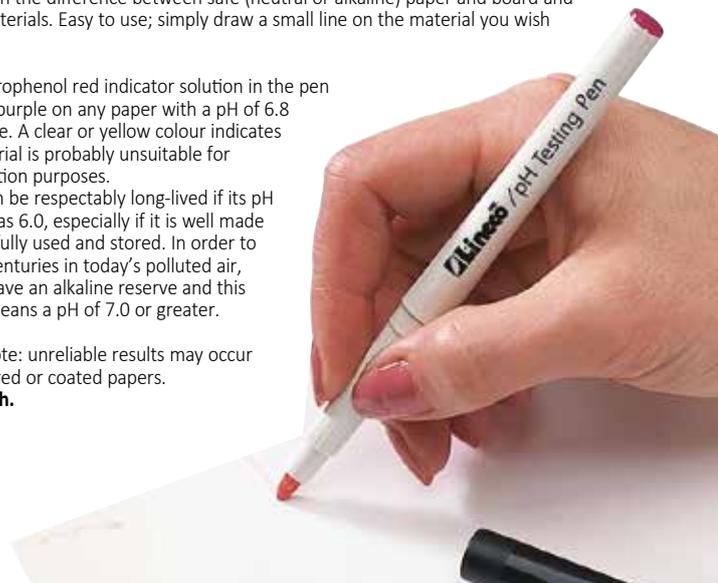
With a simple swipe of Lineco's pH Testing Pen, you can determine whether the paper and board you are using is acidic. This easy, convenient method allows you to distinguish the difference between safe (neutral or alkaline) paper and board and acidic materials. Easy to use; simply draw a small line on the material you wish to test.

The Chlorophenol red indicator solution in the pen will turn purple on any paper with a pH of 6.8 and above. A clear or yellow colour indicates the material is probably unsuitable for conservation purposes.

Paper can be respectably long-lived if its pH is as low as 6.0, especially if it is well made and carefully used and stored. In order to last for centuries in today's polluted air, it must have an alkaline reserve and this usually means a pH of 7.0 or greater.

Please note: unreliable results may occur on coloured or coated papers. **Price each.**

PRODUCT CODE	WT	PRICE
533-0023	40g	£4.40





➤ **Marking Pencils (not acid-free)**

This truly unique graphite pencil marks paper, glass, plastic and metal. Use it to temporarily mark on photos or any other slick surface including Mylar and glassine. Remove pencil marks with soft white vinyl eraser. **Price per dozen.**

PRODUCT CODE	SIZE	PRICE
479-9120	136g	£28.95

➤ **Film Marking Pens**

These fine-line film marking pens from Germany are far superior to the others we've tried. Ink dries within one second to a permanent, smudge-proof, waterproof mark on film, Mylar®, acetate, slide mounts, glass, plastic, metal and all smooth surfaces. Set of 4 includes one each: red, blue, green, and black. Or single black only.

PRODUCT CODE	SIZE	WT	PRICE
871-2040	Single - Black Only	40g	£1.95
871-2039	4 Film Markers	40g	£9.35

➤ **"Pigma" Acid-Free Fade-Proof Pens**

The first generation of technical pens using the new Pigment Ink Process. Pigmented Ink is composed of super-micro particles and provides a waterproof line with no fading or discolouration under direct sunlight. Available in Black, note: ink is Permanent. **Price each.** Not suitable for polyester film.

PRODUCT CODE	SIZE	WT	PRICE
642-08BK	0.50mm	40g	£1.95
642-05BK	0.45mm	40g	£1.95
642-01BK	0.25mm	40g	£1.95
642-005BK	0.20mm	40g	£1.95

**PIGMA PEN SET**

The only way to improve upon what have become our most popular pens is to offer a greater variety of sizes. We now have a six pen set, sizes include 0.20mm, 0.25mm, 0.30mm, 0.35mm, 0.45mm, 0.50mm. Black, permanent ink. **Price per set.**

PRODUCT CODE	SIZE	WT	PRICE
642-P6	6 pen PIGMA set	110g	£10.50

➤ **Millennium Pens**

Pigment ink, acid-free, archival quality, lightfast, waterproof, fade proof, non-bleeding, xylene free and odourless. A marker system for records, cataloguing, scrapbooks and memory books. Each marker pen includes pure pigment ink which stands the test of time so your precious memories can be preserved for future generations to enjoy. Available in three line widths. Please note the ink is permanent. **Price each.**



PRODUCT CODE	SIZE/COLOUR	WT	PRICE
642-0020	0.20mm Black	9g	£2.45
642-0035	0.35mm Black	9g	£2.45
642-0065	0.65mm Black	9g	£2.45

➤ **Perma Ball Roller Ball Pen**

Permanent marker pen for metal, plastic, ceramic, glass and most hard smooth surfaces. Use minimum pressure on hard surfaces to avoid scratching the surface. Easy and comfortable to use writes and flows well to create clear markings. **Price each.**



PRODUCT CODE	WT	PRICE
642-4910	11g	£2.10

➤ **Polyester Film Marking Pens**

Ideal for cataloguing polyester pockets with details of contents. Also used for overhead projection film. The ink is non-erasable, alcohol based, permanent and smudge-proof. Can be used on most smooth surfaces such as films, acetate, glass, plastic and metal.

**Price each.**

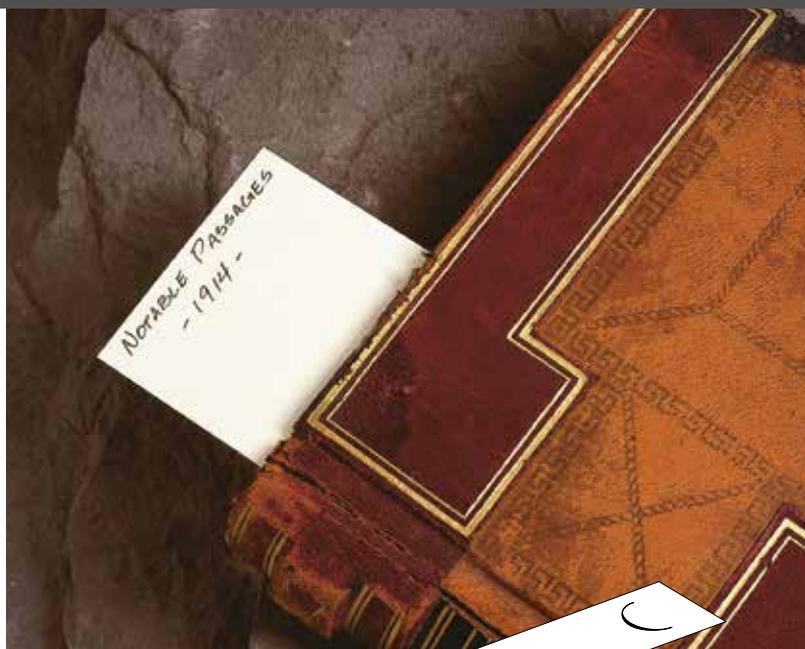


PRODUCT CODE	LINE WIDTH	COLOUR	WT	PRICE
642-0050	0.5mm	Black	9g	£1.85

Unbleached Cotton Tying Tape

This soft, unbleached tying tape is invaluable for tying bundles of books and periodicals to be sent to the bindery, or for tying together damaged books while they wait for repair. Non-abrasive. Pink dye is bleed-proof. Spool of 100m. **Price per spool.**

PRODUCT CODE	SIZE	PRICE
586-0006	White - 6mm x 100m	£5.85
586-0010	White - 10mm x 100m	£6.60
586-0016	White - 16mm x 100m	£8.15
586-1472	Pink - 10mm x 100m	£7.56



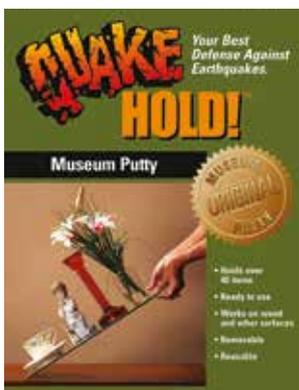
Bookmarks and Identi-strips

PEL acid-free and lignin-free Identi-strips and Bookmarks provide easy identification of shelved rare books. A die-cut tab prevents slippage into the book when vertically shelved. These acid-free Identi-strips won't discolour pages of books into which they are inserted. Tab is located 6 typewriter spaces (1") from top. **Price per package of 100.** Note: We recommend the non-tabbed strips for books with brittle pages

PRODUCT CODE	SIZE	PRICE
342-1510	38mm x 254mm (1.5" x 10") no tab	£6.50
342-2630	57mm x 127mm (2.25" x 5") tab	£9.67
342-2140	57mm x 254mm (2.25"W x 10") tab	£11.91
342-2410	57mm x 254mm (2.25"W x 10") no tab	£10.58

Museum Wax

Previously known as 'Be still my art'. Protect your valuable collections from bumps, quakes, jolts. A special blend of micro-crystalline waxes makes Museum Wax safe for use on crystal, porcelain, marble glass, ceramic and wood finishes. Perfect for mounting breakable objects to shelves, stands and display cases. Performs well as a temporary "glue" to hold items in place whilst being cleaned, repaired or photographed. To use, attach a pea size bead to the contact base of your object, then with a slightly twisting motion, press your piece into place. To remove simply twist and lift. Scrape up the excess wax for reuse and wipe away any residue with a soft cloth.



Quake Hold Museum Putty

Museum Putty is ideal for securing antiques, collectibles, figurines and more from falling and breaking. It can be used on most surfaces, including ceramics, porcelains and laminates, as well as on walls to help stabilize pictures. It comes ready to use in a two-and-a-half ounce flat sleeve, just pull off what you need. Roll the putty into small balls (about the size of a pea), or strips, and apply to the base of an item. Press down lightly and twist into position. It sets within 30-minutes and comes off cleanly with no mess. To remove, simply lift and twist from the bottom of the object. One packet will secure up to forty items of average size.

PRODUCT CODE	SIZE	PRICE
615-8000	Museum Wax 13oz	£8.75

PRODUCT CODE	SIZE	PRICE
615-8111	Museum Putty	£3.45

Museum Gel

Clear museum gel is used as a removable adhesive under glassware china and crystal, originally used 11 years ago by major museums in the earthquake region of California. Since then, the practice of securing works of art and collections has become popular among both professionals and private collectors. Museum gel will stay soft and flexible, we recommend testing the product adhesion periodically and cleaning the area to ensure proper adhesion. Used in museum display cases for fragile works of art, is non-toxic, removable and reusable. Perfect for underneath clarity of glass and clear crystal objects on glass shelves. Also available Museum Wax which is a suitable alternative to Museum Gel.



PRODUCT CODE	SIZE	PRICE
085-3311	Museum Gel 4oz	£7.45

➤ **Brass Paper Clips**

Made for PEL, these solid brass paper clips are an economical alternative to our top quality stainless steel paper clips. Will not rust and are safe to use on rare papers. **Price per 1000**



PRODUCT CODE	SIZE	WT	PRICE
497-2020	33mm	306gms	£15.95

➤ **Stainless Steel Paper Clips**

Heavy duty stainless steel paper clips will not rust or stain materials. The 1mm strong wire is smooth and will not abrade fragile surfaces. Approximately 750 jar.



PRODUCT CODE	SIZE	WT	PRICE
497-3000	33mm	850g	£15.95

➤ **Monel Staples**

Standard chisel point staples of 100% rust-proof Monel metal. Precision made, they penetrate without buckling. Fit all standard staplers. **Price per box of 5000.**



PRODUCT CODE	WT	PRICE
419-004M	227gms	£40.70

➤ **Plastiklips**

Attractive plastic paper clips for identification, inventory control, record keeping, routing and many other uses. These clips will not mar, rust or tear papers. Attractive colours for colour coding. Three sizes to cover a range of uses. Mixed colours include: White, Red, Blue, Green, and Yellow. **Price per box.**



PRODUCT CODE	SIZE	QTY/BOX	PRICE
463-1030	Medium. 25mm	500	£5.40
463-1060	Large. 35mm	200	£5.40
463-1070	King 60mm	75	£5.50

➤ **Polyethylene Zipper Bags**



Minigrip® plain resealable zipper bags made from 50 micron polyethylene giving excellent value. These simple efficient bags are completely inert and transparent. They have many uses in Museums, Archives and Libraries including storage of books, paintings, artefacts, fragments, geology, archaeological specimens and odd shaped objects. Bags are water resistant and offer a moisture barrier. Variety of sizes for a variety of uses. **Price per package of 500 & 250 bags.**

PRODUCT CODE	SIZE	QTY/BOX	PRICE
500-1000	40mm x 65mm (1.57" x 2.56")	500	£2.60
500-1001	60mm x 60mm (2.36" x 2.36")	500	£3.40
500-1005	115mm x 115mm (4.53" x 4.53")	500	£8.85
500-1006	100mm x 140mm (3.94" x 5.51")	500	£9.00
500-1008	75mm x 190mm (2.95" x 7.48")	500	£8.70
500-1100	150mm x 230mm (5.90" x 9.06")	200	£7.70
500-1105	50 x 230mm (1.97" x 9.06")	500	£10.25
500-10A4	230mm x 325mm (9.05" x 12.80")	200	£11.95
500-1014	255mm x 355mm (10.04" x 13.98")	200	£14.50
500-1016	330mm x 455mm (13" x 17.91")	200	£21.90
500-1017	380mm x 510mm (14.96" x 20.08")	200	£27.45

➤ **Legal Pink Cotton Tying Tape**

Pink Tying Tape also known as legal tape. "Red Tape" - Charles Dickens is believed to be the first person to have used this phrase. (In fact the colour is pink).

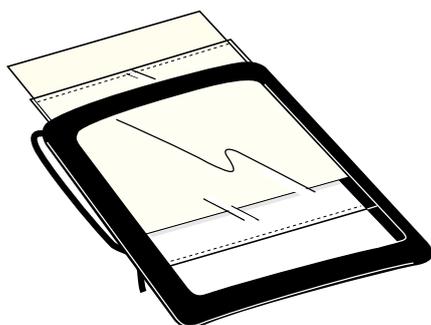
Generally pink tape is used to tie up bundles of official papers. The tying tape is 100% cotton, the pink colour does not bleed.



PRODUCT CODE	SIZE	PRICE
586-1472	Pink Tying Tape 10mm x 100m	£7.56 per roll

Clip-On Label Holder

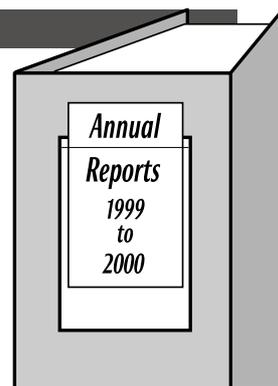
Metal clip-on label holder allows quick and easy re-labelling of boxes, pamphlet files and binders. The spring-lock mechanism allows for easy yet firm application. Rounded corners will not scratch or mar surfaces. Each black label holder comes complete with identification insert and a plastic label protector. Overall size is 70mm x 64mm (2-3/4" L x 2-1/2" W) with a full 57mm x 50mm (2-1/4" x 2") area for identification. **Price pack 12.**



PRODUCT CODE	SIZE	WT	PRICE
607-2000	70mm x 64mm	540g	£15.65

Pressure Sensitive Archival Polyester Label Holders

Our Archival Polyester Label Holders provide you with a simple and effective means of labelling boxes, binders, shelving, folders, etc. Label holders are constructed using a crystal clear window of 50 micron Archival Polyester attached on two (long) sides to a 75 micron Archival Polyester base. Remove the release liner and attach the holder using the pressure sensitive acrylic adhesive. Each label holder comes complete with an acid-free insert. Use over and over again simply by changing the insert. **Price per package of 12 holders and inserts.**



PRODUCT CODE	SIZE	PRICE
780-2030	51 x 76mm (2" x 3")	£7.90
780-3040	76 x 102mm (3" x 4")	£8.15

Tyvek Tying Tape Labels

These Tyvek labels have two slots to thread through unbleached cotton tying tape. The labels are used for cataloguing and detailing notes when tying together bundles of papers, books and documents. No doubt other uses will be found for these Tyvek labels. They can be used outdoors as they withstand water and are very strong and will not split. Used as identification tags, Tyvek will take our pigma Pens (see page 63) for acid-free permanent lettering. **Price per 1000 labels.**

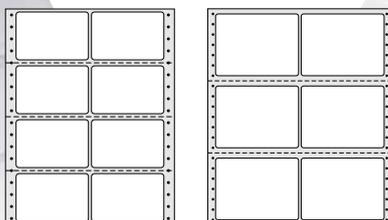


PRODUCT CODE	SIZE	PRICE
613-7500	100mm x 70mm	£62.75

Pin-Feed Box & File Labels

In a continuous, 2-across, pin-feed format for computer printers, word processors or any standard typewriter. **Price per package of 1000.**

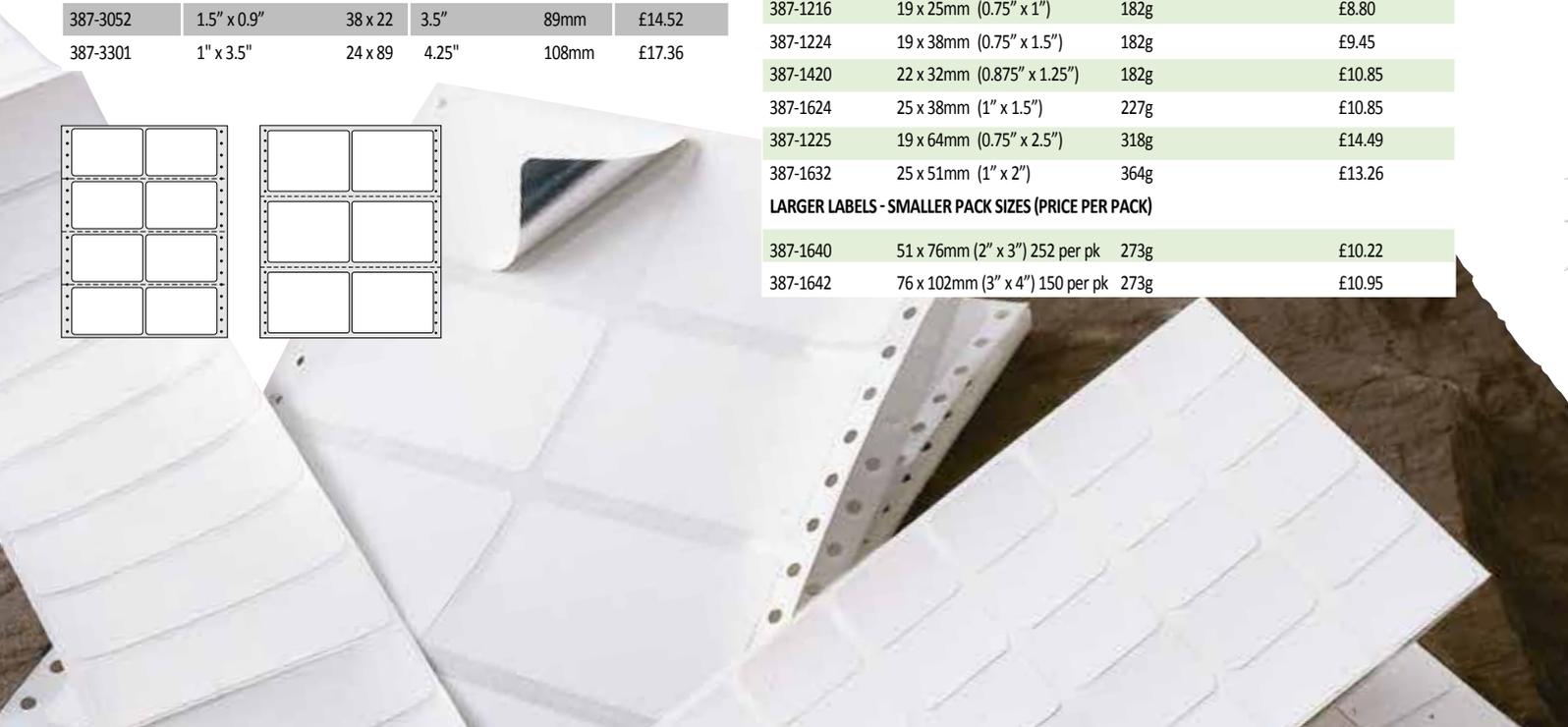
PRODUCT CODE	LABEL SIZE	OVERALL SIZE		PRICE	
	(H X W)	MM	WIDTH		
387-1640PF	2" x 3"	51 x 76	6.875"	175mm	£50.30
387-1642PF	3" x 4"	76 x 102	8.875"	225mm	£59.95
387-3052	1.5" x 0.9"	38 x 22	3.5"	89mm	£14.52
387-3301	1" x 3.5"	24 x 89	4.25"	108mm	£17.36

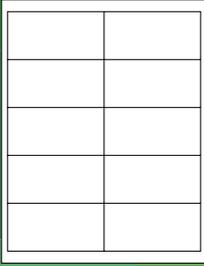


Perma/Seal® Foil Backed Labels

White, smudge proof, flexible, permanent Foil-Backed Labels coated with our special formulation of Perma/Seal® acid-free acrylic adhesive that really does stick to boxes, books, Mylar® polyester film, etc. The unique foil barrier prevents surface inks from penetrating the label and affecting the material beneath; conversely, the adhesive cannot penetrate the foil to attack the ink and cause excessive fading. **Price per package of 1000.**

PRODUCT CODE	LABEL SIZE	WT	PRICE
387-1216	19 x 25mm (0.75" x 1")	182g	£8.80
387-1224	19 x 38mm (0.75" x 1.5")	182g	£9.45
387-1420	22 x 32mm (0.875" x 1.25")	182g	£10.85
387-1624	25 x 38mm (1" x 1.5")	227g	£10.85
387-1225	19 x 64mm (0.75" x 2.5")	318g	£14.49
387-1632	25 x 51mm (1" x 2")	364g	£13.26
<b>LARGER LABELS - SMALLER PACK SIZES (PRICE PER PACK)</b>			
387-1640	51 x 76mm (2" x 3")	252 per pk 273g	£10.22
387-1642	76 x 102mm (3" x 4")	150 per pk 273g	£10.95

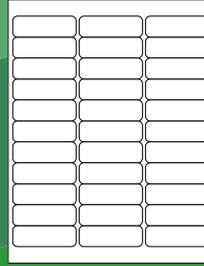




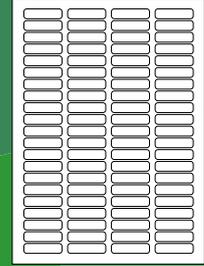
A. LABEL SIZE - 102MM X 51MM (4" W X 2" H)



B. FOIL-BACK PERMA/SEAL® A4 (297MM X 210MM) sheets without splits or perforations for making your own custom laser images in variable sizes. 50 sheets per pkg.



C. LABEL SIZE - 67MM X 22MM (2.625" W X 0.875" H)

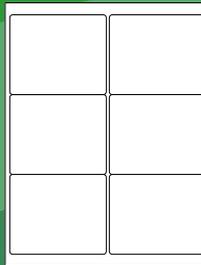


D. SLIDE LABEL SIZE - 47MM X 11MM (1.75" W X 0.5" H)

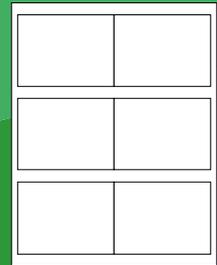
### Archival Quality Laser Labels

Our Perma/Seal® and Perma/Seal® Foil Back Laser Labels provide archivists, conservators, curators and other collection care specialists with a variety of acid free label formats for their laser printers. All feature a non-yellowing, pressure sensitive acrylic adhesive. The foil back version provides an extra barrier between the acid-free paper and the adhesive to prevent bleed through and to enhance the ability of the label to adhere to rounded or other irregularly shaped items. Each label format is provided on an 280 x 216mm sheet. Please note: These labels should not be used directly on valuable artwork, documents, artefacts or photographs. **Price per package.**

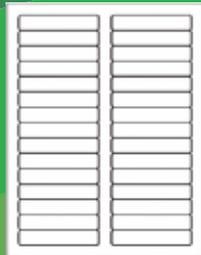
PRODUCT CODE	KEY/TYPE	LABELS PER SHEET	SHEETS PK PER PACK	LABEL SIZE	PRICE
*387-5352	A. Foil back	10	100	102 x 51mm	£31.85
*387-00A4	B. Foil back	1	50	297 x 210mm	£18.90
377-00A4	B. Perma/Seal	1	50	297 x 210mm	£17.50
377-4501	C. Perma/Seal	33	100	67 x 22mm	£42.00
*387-2520	D. Foil back	84	30	47 x 11mm	£24.64
377-5164	E. Perma/Seal	6	100	102 x 85mm	£42.00
*387-3400	F. Foil back	6	100	102 x 76mm	£33.56
377-4375	G. Foil back	30	100	83 x 17mm	£28.35
387-0666	G. Perma/Seal	30	100	83 x 17mm	£36.96
387-1735	H. Foil Back	40	5	12.7x101.6mm	£7.75



E. LABEL SIZE - 85MM X 102MM (3.33" W X 4" H)



F. LABEL SIZE - 76MM X 102MM (3" W X 4" H)



G. LABEL SIZE - 83 X 17MM



H. LABEL SIZE - 12.7 X 101.6MM

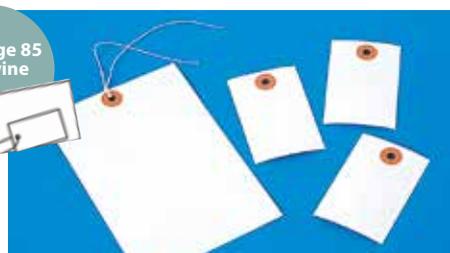
\* These labels, specifically formulated for desktop laser applications, have performed effectively in HP Laser Jet Series II printers. Always consult your printer manual and service rep for technical requirements before using foil-backed laser labels.



### Artefact Identification Tags With Size for Bar Code Labelling

Identify artefacts or specimens with these acid-free Artefact I.D. Tags. Made of 225gsm off-white tag stock which is both acid-free and lignin free, each tag features a strong 152mm cotton string for attaching to objects. Four sizes are available including a size to accommodate bar code labels. **Price per package of 100 tags.**

PRODUCT CODE	SIZE	WT	PRICE
613-3478	19 x 22mm	40g	£7.68
613-1530	38 x 76mm	90g	£8.95
613-3050	76 x 127mm	273g	£12.80
613-1535	89 x 38mm (barcode)	136g	£12.85



### Tyvek Tags & Labels

Identity tags for artefacts and specimens used in museums for labelling works of art, very strong, tear proof, waterproof, can be used outside since the wet will not affect them. Tyvek is acid-free, lightweight, resistant to harsh chemicals and can be easily over printed (contact our sales office for over printing).

Tag has eyelet reinforced hole, supplied without ties. We suggest our acid-free twine is used for ties, so you can cut to the necessary length. Special sizes available, contact our customer service department for prices.

PRODUCT CODE	SIZE	PRICE
613-7550	75mm x 50mm	£37.95 per 1000
613-7510	150mm x 100mm	£55.00 per 500

### Resistall Specimen Tags

Manufactured from Resistall Linen Ledger and treated for dimensional stability and resistance to water, alcohol and formaldehyde.

The specimen tags include a cotton string to attach to specimens in wet collections. Price is per package of 100 tags.



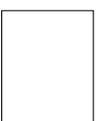
PRODUCT CODE	SIZE	PRICE
219-0102	1" x 2" (25 x 50mm)	£16.53

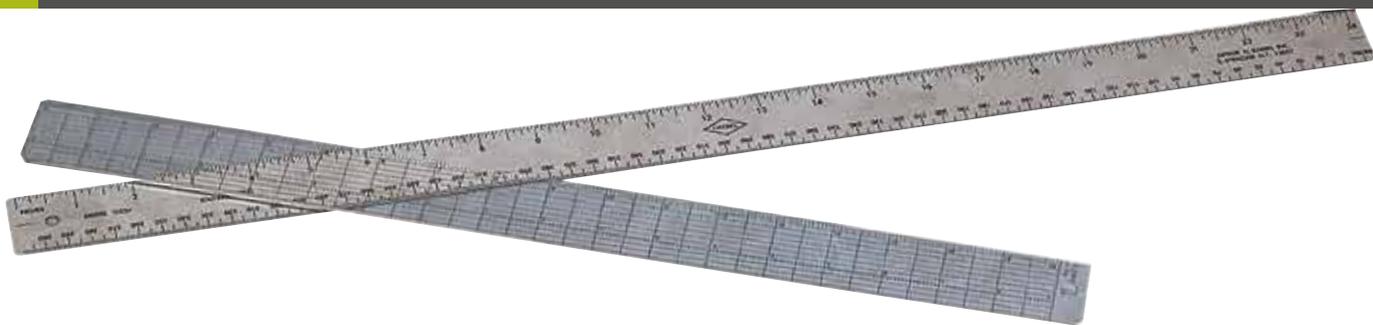
### Acid Free Gummed A4 Labels

PEL dry gummed acid free labels made from white conservation quality 85gsm paper with archival moisture activated gum adhesive. Suitable for laser and inkjet printers.

100 sheets per pack.

PRODUCT CODE	SIZE	PRICE
535-00A4	297mm x 210mm	£19.95 per 100





Stainless Steel Cork-backed Rulers

An exceptional tool for drawing, cutting or scoring, these steel rulers feature a cork backing that helps prevent slipping. One side is graduated in inches (16ths), the other in millimetres. Available in three sizes, each ruler is 1-1/4" wide and made from .020" steel and .052 cork backing. **Price each.**

PRODUCT CODE	SIZE	WT	PRICE
682-20012	305mm / 12"	60gms	£4.50
682-20018	455mm / 18"	91gms	£5.95
682-20024	610mm / 24"	91gms	£8.95
682-20036	910mm / 36"	136gms	£11.95

See-Through, Metal Edge Ruler

This extra-long ruler comes highly recommended by conservators. The heavy gauge, clear acrylic construction features internal markings that are very useful. One edge is bevelled, the other features a steel edge which keeps the acrylic from being nicked by sharp rotary cutters or scalpel blades when cutting against it, keeping the ruler itself accurate. The ruler is 500mm long, graduated in sixteenths of an inch with a 0 centring scale. Calibrations and grids are visible on both light and dark surfaces. **Price each.**

PRODUCT CODE	WT	PRICE
869-1800	91gms	£9.40



Straight Edges

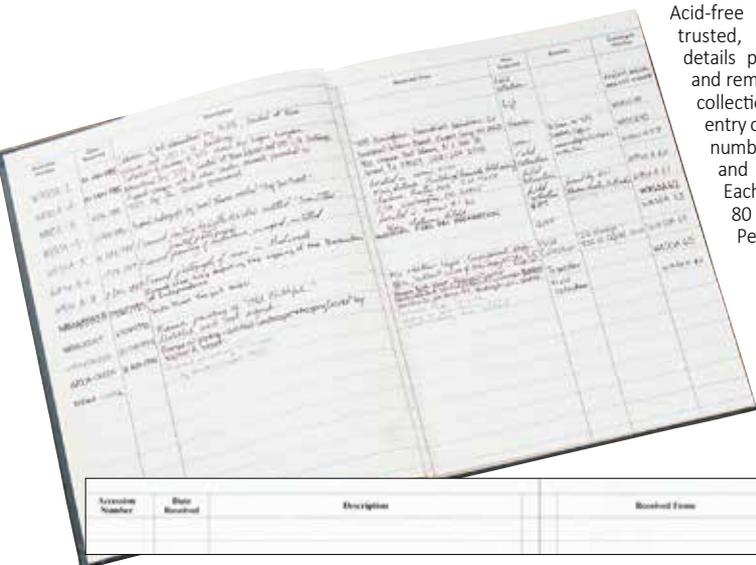
These straight edges can be used for cutting with scalpel. Anodised aluminium with stainless steel cutting edge and anti-slip back, graduated in cm and mm.

PRODUCT CODE	SIZE	PRICE
869-6030	30cm	£6.50
869-6050	50cm	£8.50
869-6100	100cm	£16.96

Imperial Straight-edge

682-100560	60" Graduated Aluminum	£37.81
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Accession and Deaccession Registers



Acid-free Registers are the original, trusted, hand recorded account of details pertaining to the acquisition and removal of articles from museum collections. Seven columns permit entry of information including article number, date, description, remarks, and other pertinent information. Each hard cover book contains 80 two page spreads. Use Pigma Pens for recording information.

Accession Number	Date Received	Description	Received From	How Acquired	Remarks	Catalogue Number

Deaccession Number	Deaccession Date	Description	Disposal (Name and Address)	Deaccession Type	Accession Number	Catalogue Number	Number of Items	Remarks

PRODUCT CODE	SIZE	PRICE
061-1000	Accession Reg	£55.79
061-2000	Deaccession Reg	£55.79

Thickness Gauge

An essential instrument for measuring the thickness of paper board, film, fabrics and other materials. Anodised aluminium with stainless steel cutting edge and anti-slip back, graduated in cm and mm. Throat capacity 0-10mm, reading 0.01mm.



PRODUCT CODE	SIZE	PRICE
985-1308	Dial pocket micrometer 19mm	£210.00

Scalpel Blades



06 09 10 10A 11 12 15 16



20 21 22 23 25 26

ALL AVAILABLE IN PACKS OF:  
10 BLADES; **£1.10**, OR 100 BLADES; **£9.75**

To order, complete product code with your chosen blade no.

PK SZ	10 BLADES	100 BLADES
Code	896-00 __	896-00 _/100
Price	£1.10	£9.75

Swann Morton 03

896-03

Swann Morton 04

896-04

Swann Morton Retractable 896-2806



Made of Surgical Steel. For all cutting and trimming work. Finest quality, micro-sharp carbon steel surgical blades; heat treated to assure just the right rigidity and flexibility. Every blade expertly tempered and ground to acute bevel for precise sharpness and high resistance to wear. Fit all standard handles, including those sold below. When ordering please indicate blade required by adding the blade number, i.e. number 10 would be: 896-0010. Price per package of 10 blades or box 100 blades.

SCALPEL HANDLES

PRODUCT CODE	FITS BLADES	PRICE
896-03	6, 9, 10, 10A, 11, 12, 15, 16	£2.45
896-04	20, 21, 22, 23, 25, 26	£2.45
896-2806	10, 10A, 11, 15	£4.85

Heavy Duty Scalpel Blades & Handle

Heavy duty scalpel blades from Swann Morton. Made of high grade carbon steel and a choice of pointed (896-2551) or bull-nose (896-2552) blade profiles. The stainless handle securely fixes the blade with its screw fitting. Blades sold in quantities of 10, handles are priced each.

PRODUCT CODE	DESCRIPTION	PRICE
896-2551	PM40 Pointed Heavy Duty Blade	£10.35
896-2552	PM40b Bullnose Heavy Duty Blade	£10.35
896-2652	Handle	£6.00



Fine Scalpel Blades & Handle

The precision made stainless steel blades offer a wide range of cutting edge options including the single bevel blade that is proving popular with conservators. The handle has independently screwed top sections to facilitate blade changing which is a safety feature for fitting or removing blades, preventing the need to hold the blade. Blades are sterile stainless steel supplied individually foil-wrapped in boxes of 25.

896-SM61	- £24.95 25pk	
896-SM62	- £24.95 25pk	
896-SM65	- £24.95 25pk	
896-SM68	- £24.95 25pk	
896-SF23	- £17.60 each	

NEW we have introduced Teflon (PTFE) coated spatulas, ideal for use with adhesives (see below)

Heavy Duty Spatula

Our heavy duty stainless steel spatula proves to be an indispensable tool in book repair and conservation work. You'll find a number of uses for this 7.75" tool including paste or adhesive application, corner lifting or burnishing (when applying repair tissues or tape). One end is smoothly tapered while the other is a 10mm flat spade tip. A handy tool you won't want to be without.



PRODUCT CODE		PRICE
936-0028	Standard Heavy Duty Spatula	£3.95
936-373	Heavy Duty Spatula Teflon Coated	£4.95

Small Spatula

The ideal tool for lifting or slitting paper, applying paste to small areas and numerous other tasks, Metal: one end tapered, one rounded. Flexible, springy ends. Overall length 8". Price each.



PRODUCT CODE		PRICE
617-003	Standard Small Spatula	£3.65
936-401	Small Spatula Teflon Coated	£4.65

Spatula Minarette

Extra fine steel retouching tool used in both objects and paper conservation treatments. The minarette is small, light and flexible enough to allow conservators to move small flakes of paint, push tiny fills or adhesive into small places, consolidate pigments, manipulate fine fibres and mix very small amounts of paint for in painting. Price each.



PRODUCT CODE		PRICE
092-2221	Standard Spatula Minarette	£5.50
936-922	Spatula Minarette Teflon Coated	£6.50



CUTTING MAT

OLFA Cutting Mat



688-9651  
RTY2/DX

CMP-1



688-9031

688-AK1



### OLFA Products

Cutting Mats have a semi-hard surface which gives protection to knife blades. The mat surface heals completely after each cut. Best quality available - beware of cheap imitations.

PRODUCT CODE	DESCRIPTION	PRICE
688-9823	Green A3 (450mm x 300mm x 3mm thick)	£17.30
688-9822	Green A2 (620mm x 450mm x 3mm thick)	£32.40
688-9821	Green A1 (900mm x 620mm x 3mm thick)	£71.90

PRODUCT CODE	DESCRIPTION	PRICE
688-CMP-2	Circle Cutter cuts 70mm to 300mm diameter in plywood, mountboard, leather, corrugated boards thick or thin.	£26.95
688-9052	Spare Blades for OLF CMP-2 (pack of 10 snap off strips).	£5.37
688-CMP-1	Compass Cutter for circles of 10mm to 150mm diameter in paper, films or leather.	£6.35
688-COB-1	Spare Blades for OLF CMP-1 (pack of 15 blades).	£2.95
688-9031	Heavy duty cutter with rubber grip.	£6.95
688-9052	Spare Blades for 688-90 (pack of 10 snap off blades).	£5.37
688-9651	Rotary cutter for cutting paper, board, cloth or leather in any direction: backward, forward, straight or curved lines.	£15.50
688-9452	Spare Blades for 688-9651. 45mm circular.	£6.50
688-AK1	Art-Knife complete with 5 spare blades	£4.90
688-KB	Spare blades for 688-AK1 (pack of 25 blades)	£3.90



### Utility Pliers

No conservators' tool box should be without utility pliers. Handle small, delicate items with ease and confidence. Lap joint construction assures consistent alignment during use. High polished tempered steel assures durability while the insulated handles provide comfort and control. The extra long needle nose pliers have flat jaws to prevent marking objects.

PRODUCT CODE	DESCRIPTION	WT	PRICE
729-7511	extra long needle nose	45g	£7.95



### Snap-Off Blade Utility Knife

This sturdy and small utility knife features the unique snap-off blade system. Their superior safety, economy, and razor-sharp cutting performance make them ideal tools for thousands of applications. With the sharp, instantly renewable edge, they will quickly become your favourite instruments for cutting papers, films, leathers, tapes, etc.

PRODUCT CODE	DESCRIPTION	PRICE
688-9071	small utility knife	£2.68
688-9281	replacement blades, 10 pack	£2.95



### Pointed Tweezers

Needle sharp points provide accurate control for sorting, probing and holding small items. Light tension facilitates delicate work. 125mm long, nickel-plated steel. Price each.

PRODUCT CODE	DESCRIPTION	PRICE
729-7336	pointed tweezers	£3.95



### Self Closing Tweezers

Self-closing, flat tips provide sufficient tension to hold larger materials firmly for positioning. 165mm long, nickel-plated steel. Price each.

PRODUCT CODE	DESCRIPTION	PRICE
729-7338	self closing tweezers	£4.50



### Bent Nose Tweezers

Curved flat pointed tip provides better view of work in sorting, assembling and positioning small parts. 152mm long, nickel plated steel. Price each.

PRODUCT CODE	DESCRIPTION	PRICE
729-7343	bent nose tweezers	£4.50

### Book Sewing Needles

Package of 25 English needles of the finest grade steel. Size 18, ((1/0) 62.5mm length x 1.09mm diameter



PRODUCT CODE	DESCRIPTION	PRICE
870-886	35g	£6.95

### Bookbinder's Awl

Simple sharp tool has an extra sharp point to punch holes in signatures before sewing to assure all the holes will line up. Price each.



PRODUCT CODE	DESCRIPTION	PRICE
870-884	50g	£3.50

### Heavy Duty Awl

The wooden ball handle fits comfortably in the hand for heavy duty punching, while providing good control. Bookbinders will find the heavy duty awl ideal for punching before sewing.



PRODUCT CODE	DESCRIPTION	PRICE
870-885	Heavy Duty Awl	£1.95

### Japanese Push Drill Set

This push drill set is so handy, simply exert pressure on the tool and the chuck spins. Excellent for cutting clean holes in a variety of materials such as paper mount board, leathers etc. Made from wood and brass, a quality Japanese tool. The chuck holds 9 hollow drill bits in 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5 and 5mm sizes.

Replacement drill bits are available.



WORKS ON THE ARCHIMEDEAN SCREW PRINCIPLE

PRODUCT CODE	DESCRIPTION	PRICE
617-7001	Push Drill with 3mm Bit	£27.95
617-7002	Set of 9 replacement drill bits	£41.95

### Student Tool Roll

Students starting a conservation training course are instructed to have a basic tool kit. This tool roll has been designed for a variety of small tools. No doubt conservators will find it useful for site visits, or simply keeping tools tidy in the studio. We could not find an existing tool roll - so we have had them especially made at a price students can afford. Various size compartments, zip pocket and roll tying tape. Tools shown are not included, but you can find them in this catalogue.



PRODUCT CODE	DESCRIPTION	PRICE
609-7000	540mm x 235mm	£10.65

### Genuine Bone Folders

These real bone quality tools are extremely useful for making a strong crease in paper, Mylar or other materials and as burnisher for tapes, press-on letters, etc. A must for bookbinding and repair. Smooth bone, available in three styles. Price each.

PRODUCT CODE	SIZE (MM)	PRICE
870-900B	6" x 0.75" (152 x 19mm) - 1 pointed end/ 1 round end	£1.95
870-901B	8" x 1" (204 x 22mm) - 1 pointed end/ 1 round end	£2.95
870-902B	8" x 1" (204 x 22mm) - two rounded ends	£2.95



### PTFE/Teflon Spatula

A new alternative to traditional bone folders. The non-stick PTFE makes them ideal for conservation, a tool everyone's asking for. Used for separating paper layers, burnishing, creasing and book binding.

PRODUCT CODE	SIZE (MM)	PRICE
870-9100	large (160 x 20 x 8mm)	£15.95
870-9101	medium (150 x 15 x 6mm)	£14.95



### Teflon Delaminating Tool

Looks just like a bone folder with the traditional thin pointed end. It is perfect for separating papers because the surface is the non-stick PTFE/Teflon. You will never use a bone folder again once you try this one!

PRODUCT CODE	SIZE (MM)	PRICE
870-9103	160 x 20 x 8mm thin point end	£15.95



### Bone Creaser/Scorer

Also known as bone scorer, used for making a crease in paper before folding. The bone creaser is ergonomically shaped with a thin edge. Used to mark paper and fabric without chalk and paper without a pencil. Genuine cattle bone.

PRODUCT CODE	SIZE (MM)	PRICE
870-905B	124 x 30mm	£2.95



### Spatula/Spoonula

This exclusive PEL branded product has one end concave to hold small amounts of liquid, the other 8mm wide end is a flat spade tip. The 15mm spoon end is also useful for burnishing, conservators use the spoonula for a number of conservation applications. The spatula/spoonula is manufactured from high quality stainless steel, the polished surfaces are extremely smooth. Price Each

PRODUCT CODE	PRICE
936-0375	£3.50



### Spatula Minarette

Extra fine steel retouching tool used in both objects and paper conservation treatments. The minarette is small, light and flexible enough to allow conservators to move small flakes of paint, push tiny fills or adhesive into small places, consolidate pigments, manipulate fine fibres and mix very small amounts of paint for in painting. Price each.



PRODUCT CODE	DESCRIPTION	PRICE
092-2221	Standard	£5.50
936-922	Teflon Coated	£6.50

### Explorer Probe

This tool is also a medical device made from high quality stainless steel. Used for cleaning and investigation on fragments and specimens. Trained conservators will no doubt find various uses for this explorer probe. Price Each

PRODUCT CODE	DESCRIPTION	PRICE
729-7654	Explorer Probe	£5.95





➤ **Binder Stapler**

The PEL binder stapler for saddle stitching, loop stapling and heavy duty stapling allows you to make brochures and booklets neatly giving a professional finish.

Stapling all sizes up to A3 with a 50 page capacity (8mm staple). Guide markings for A4 and A5 sizes, other formats are easily achieved by marking the paper.



Use the looped staples for any lever arch files or ring binder. Simply insert looped staples into the spine of the catalogue, booklet etc. Catalogues, brochures, booklets and leaflets can simply be filed (no punched holes or display pouches). By a simple change of staples the PEL stapler becomes a conventional long-arm and office stapler. Both standard and ring (looped) staples available in 6mm and 8mm.

PRODUCT CODE	DESCRIPTION	PRICE
421-3000	Binder Stapler	£110.85 ea.
421-3006	Standard Staples 6mm	£6.55 5k box
421-3008	Standard Staples 8mm	£7.80 5k box
421-3116	Ring Staples 6mm	£10.90 1k box
421-3118	Ring Staples 8mm	£12.55 1k box

➤ **Monel Staples**

Standard chisel point staples of 100% rust-proof Monel metal. Precision made, they penetrate without buckling. Fit all standard staplers. **Price per box of 5000.**



PRODUCT CODE	WT	PRICE
419-004M	227gms	£40.70



➤ **Heavy Duty Stapler Long Reach**

We have introduced this stapler with a fully adjustable 10" (254mm) throat depth, ideal for stapling A5 and A4 booklets and binders, great for centre stapling. Dual stops adjust from 1/8" (3mm) to 10" (254mm), push button front loading with powerful manual lever action. The stapler will bind up to 150 sheets at a time.

The Heavy Duty Staples have a chisel point for the best performance and are supplied in 1000 staples per box. This heavy duty stapler weighs 6lbs (2.72kg). Base dimensions 89mm x 445mm. 6mm staples up to 15 sheets. 13mm staples up to 75 sheets

PRODUCT CODE	DESCRIPTION	PRICE
421-1170	Heavy Duty Stapler	£169.60 1k box
421-118D	6mm HD Staples	£3.95 1k box
421-118B	13mm HD Staples	£4.40 1k box



➤ **Staple Extractor**

A specialized conservation tool used for extracting wire staples from paper, pamphlets, or magazines preparatory to sewing. Tapered blade and dull edge will not mar the paper as will other types of staple pullers. Smooth wooden handle.

**Price each.**

PRODUCT CODE	WT.	PRICE
402-1245	90g	£4.95

➤ **Bookbinders' Shears by Wiss**

The bent handle of these shears permits the blades to operate parallel to the cutting surface, providing better control and visibility. Perfect for bookbinding and repair, as well as for general use. Made of the finest steel by Wiss, known for their quality. Shears 8" long overall. **Price each.**

PRODUCT CODE	WT.	PRICE
873-28	203mm	136g £27.95

➤ **Heavy Duty 8" Shears**

For heavy duty cutting. Will cut mat board, heavy-duty cardboard, canvas and other materials that regular scissors will not cut. Self-sharpening blades made from highest quality Solingen Steel. Moulded plastic handles give a comfortable grip to both right and left handed people. Adjustable tension. **Price each.**

PRODUCT CODE	SIZE	WT	PRICE
486-50038	203mm	136g	£27.65



**Board and Paper Chopper**

Free Standing. Cuts paper, mountboard, polyester film, reemay, tissue, metal foils and other materials. We know from experience in our own workshop, that this guillotine will cut very accurately all types of materials used in conservation and give trouble-free service. A fold-away extension table and foot operated clamp are standard as well as a side lay with cm/inch scale, back gauge and front gauge with narrow-strip-cutting device (for cutting down to 1mm strips).

<b>Product Code:</b>	<b>487-1080</b>	<b>£1075.00</b>
cutting length	800mm	
cutting capacity	to 4mm thick	
table size	800mm x 605mm	
dimensions	1215mmH x 670mmW x 1070mmD	



**Professional Trimmer**

This Professional range of 8 superbly engineered machines is the one by which all others are judged! Over 250,000 are in use worldwide; in schools, offices, studios and darkrooms, where their robust construction is rigorously tested, day-in, day-out.

With cut lengths from 12" (305mm) to 54" (1374mm), each model features the unique chromed steel twin guide rails, silent glide action, and all metal cutting head and end frames. The smooth running Professional cutters are designed to withstand high volume applications, and will handle virtually all flexible materials up to 3mm thickness. Fully guaranteed for 5 years. Each professional is screen-printed with very useful 10mm grid 'A' size indicators and two additional metric/imperial scale bars.

PRODUCT CODE	MODEL	CUT LENGTH	OVERALL LENGTH	CUT CAPACITY	WT	PRICE
486-12M	M12	305mm / 12"	471mm	3mm	4.9kg	£133.00
486-15M	M15	382mm / 15"	547mm	3mm	5.3kg	£149.00
486-24M	M24	610mm / 24"	778mm	3mm	7.1kg	£205.00
486-30M	M30	763mm / 30"	928mm	3mm	8.5kg	£252.00
486-36M	M36	914mm / 36"	1080mm	2mm	8.9kg	£288.00
486-42M	M42	1068mm / 42"	1234mm	1.5mm	10.5kg	£340.00
486-54M	M54	1374mm / 54"	1539mm	1.5mm	12.0kg	£401.00

Each model 382mm width x 95mm height

**Pel Book Measuring Device**

This simple tool allows you to quickly and efficiently determine the dimensions of books in order to produce the most accurate phase boxes possible. Measure the length, width and thickness of the book in just seconds with the movable gauge. Because accurate measurements are fundamental to a properly constructed phase box, you can be assured your volumes are safe and secure. Comes in both inches and metric measurements.



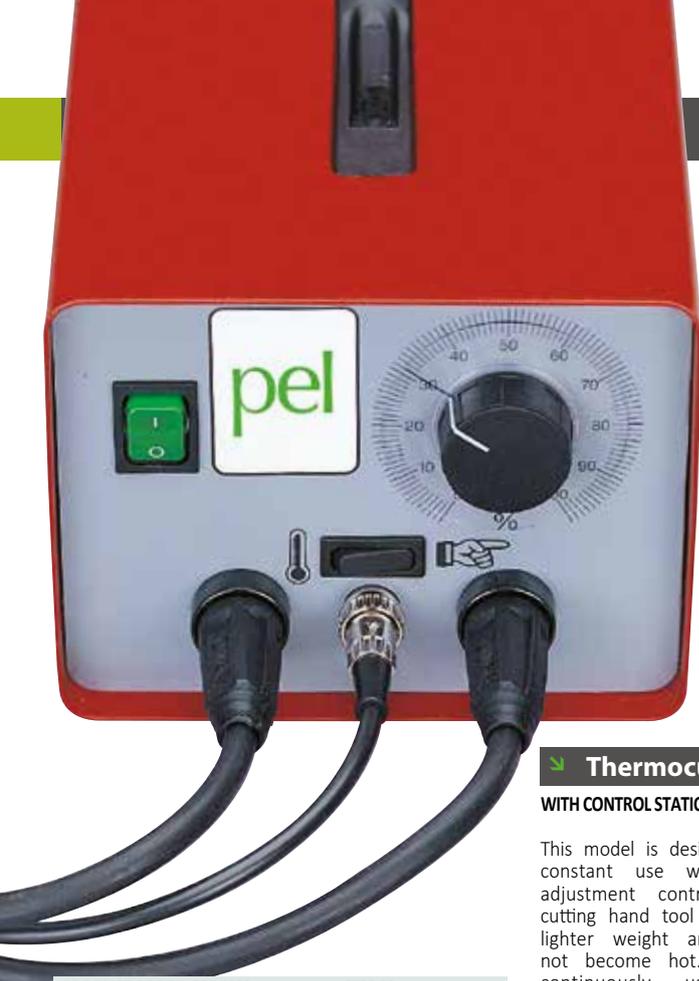
PRODUCT CODE	SIZE	PRICE
002-2000	610x305x160mm	1.64kg £119.40

**Cornerounder®**

Desk top Cornerounder® handles up to 1/2" of stock per cut. Exclusive twin-knife shearing for clean, precise cornering on polyester film, encapsulation units, paper, cardstock, plastics, boards, etc. Self-sharpening cutting units, easily changed without special tools, come with your choice of either 1/4" or 1/2" cutting unit. Table leaf extends to accommodate A4 297 x 210mm or larger sheets. Price each.

PRODUCT CODE	SIZE	PRICE
421-2012	Cornerounder with 1/2" cutting unit (13mm)	£167.00
421-2014	Cornerounder with 1/4" cutting unit (6mm)	£167.00
421-20B	1/2" Cut Unit for Cornerounder (13mm)	£95.00
421-20A	1/4" Cut Unit for Cornerounder (6mm)	£95.00





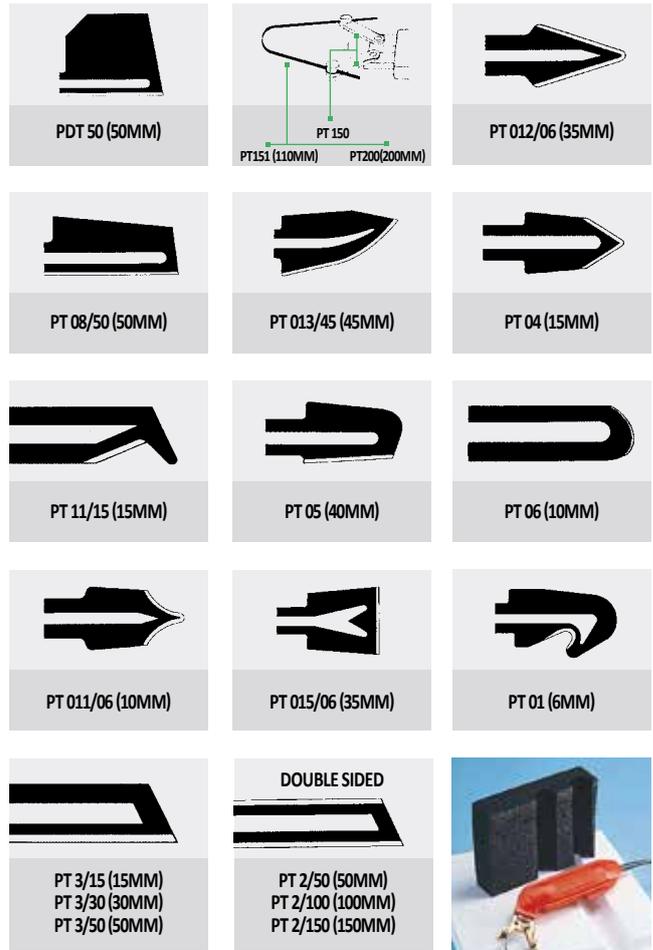
PRODUCT CODE: 805-5000 £730.00

Power Supply 230 Volt  
 Dimensions 190W x 205H x 300mm L  
 Weight 11.5 kg

### Thermocutter

WITH CONTROL STATION.

This model is designed for constant use with fine adjustment control. The cutting hand tool is much lighter weight and does not become hot. If you continuously use the Thermocutter then this model should be the one to choose. Extra safety features include low voltage output.



### Only 300g and stays cool

#### Lightweight Thermocutter - 020-PTC20

The Thermocutter with electrically heated blade is designed for cutting Plastazote® Ethafoam® and Polystyrene. It will also cut other types of foam and plastic materials easily and effortlessly. This tool will make professional display supports, shipping cavity trays and storage protection that fits artefacts and specimens. Its slim handle with spring-loaded on-off switch allows precise cutting in areas of limited access. Operating temperature is adjustable by a small fingertip control adjusting the blade to heat instantly to the correct working temperature and speed of cut. It can cut through foam (like butter) up to 5" (130mm) thick. To change blades simply loosen the alan key screws and insert another blade.

A variety of blades are available for specific tasks and shaping of foam. Blades are easily fitted by simply loosening the alan key screws. Deciding on which type of blade to choose depends on the shape of cut and the material being used. For example, the PDT50 allows vertical cuts and the larger plate guides the blade in a straight line. PT015/06 is good for a chopping action, or cutting small pieces of foam. The PT2 blades have a cutting edge on both sides, allowing cutting back and forth. You should choose the length of blade to suit the thickness of foam, this will prevent overheating on continuous work. The PT150 wire blade (bestselling blade) can be shaped to the contour of a particular shape.

PRODUCT CODE: 020-PTC20 £195.00  
 Power Supply 230 & 115 Volt  
 Power Consumption 150 Watt  
 Weight 300g  
 Power Cord 5m length

#### BLADES (FOR BOTH TYPES OF THERMOCUTTER) PRICE

020-PT01	6mm Blade	£7.90
020-PT011/06	10mm Blade	£7.90
020-PT012/06	35mm Blade	£8.60
020-PT015/06	35mm Blade	£7.90
020-PT013/45	45mm Blade	£11.85
020-PT04	15mm Blade	£7.90
020-PT05	40mm Blade	£7.90
020-PT06	10mm Blade	£6.90
020-PT08/50	50mm Blade	£11.65
020-PT11/15	15mm Blade	£5.75
020-PT150	Set of Arms for wire cutters	£30.75
020-PT151	Wire cutters 110mm Pk of 10	£20.35
020-PT200	Wire cutters 200mm Pk of 10	£23.55
020-PT2/50	Dble Sided Blade 50mm	£5.95
020-PT2/100	Dble Sided Blade 100mm	£6.10
020-PT2/150	Dble Sided Blade 150mm	£6.30
020-PT3/15	15mm Blade	£5.10
020-PT3/30	30mm Blade	£5.10
020-PT3/50	50mm Blade	£5.10
020-PDT50	50mm Blade	£11.65

## Plastazote LD45 (Large Size Sheets)

This Museum Foam is recognised and used in conservation for many applications such as drawer lining for various specimens, coins/medals, glass photographic negatives, book rests, display supports, shipping works of art and protecting in archival storage.

This high density closed cell inert foam can be cut cleanly to most shapes using the Thermocutter, and glued together using the Low Melt Glue Gun, it can be sculptured.

Being inert and acid-free, it is also ideal for packing archival boxes to fit the object such as rare books and other valuable items that are subject to potential damage. Clean loose deposits away with an anti-static brush (page 111).

Available in black, white or grey from 2mm to 30mm thickness with no lamination, and up to 290mm thickness with lamination. Call Customer Services for a quote if the dimensions you require are not available below. (Please note minimums will apply when ordering special sizes and thicknesses.)

Tolerance +/- 0.3mm up to 6mm. +/- 0.6mm over 6mm



## Low Melt Glue Gun

We have selected this system because the low melt adhesive gives an instant bonding at a much lower temperature. This makes it easier and safer to use. More significantly it means you can bond heat sensitive substrates, such as Plastazote, even polystyrene foams, fabrics, films, corrugated board and other delicate materials without heat damage. This revolutionary new hot melt glue gun operates at a lower temperature than conventional glue guns. Nearly 70°C lower! It is even possible to stick decoration pieces onto inflated balloons without heat damage. After initial warm up, the glue melts on demand as trigger pressure is exerted.

Just apply low melt glue to one surface, then press parts together for instant bonding. Conforms to very high safety standards, it operates using a PTC (Positive Temperature Coefficient) heater that regulates its own temperature electronically. The heater will operate on any voltage from 100-240 voltage and provides a fast warm-up time of only 5-7 minutes.

### GLUE GUN SPEC:

**Power Supply:** 100/240v (Electronic Self Adjust)  
**Power Consumption:** 20-400 watt (Electronic Self Reg)  
**Temp:** 130°C (Self Regulating Heater)  
**Melt Rate:** Up to 750g/hr  
**Adhesive Size:** 12 x 190mm sticks (low melt)  
**Weight:** 280 grams Gun Only

PRODUCT CODE	SIZE/TYPE	WT	PRICE
419-1000	Glue Gun Low Melt	Each	£21.60
419-1044	Glue Sticks 1 kilo Low Melt (50+ sticks) 12mm x 190mm	Kilo 1	£19.40

## Cut Resistance Gloves

An extremely comfortable glove with lots of sensitivity and touch. Cut resistance gloves offer cut protection on the whole of the hand whilst allowing your hand to breathe on both sides, the palm and the back. The glove is manufactured with a patented cut resistant fibre, an ultra high molecular weight of polyethylene fibre gives strength without bulk. This gives the user a good grip when handling slippery objects. Completely lint free and can be used in a class 100 cleanroom environment.



Full range of gloves  
see pages 114-115

PRODUCT CODE	SIZE	PACK	PRICE
837-549S	Small	10 pairs	£39.50
837-549M	Medium	10 pairs	£39.50
837-549L	Large	10 pairs	£39.50
837-549XL	Extra Large	10 pairs	£39.50

➤ **Bookkeeper Deacidification Spray**



Bookkeeper is a deacidification process that safely neutralizes acids and extends the lifespan of paper at least 3 to 5 times longer than untreated material. The spray products and spray solution both feature the same patented technology as bookkeeper’s highly regarded mass deacidification process.

The spray protects safely treated single sheets including manuscripts, documents, clippings, maps, posters and other paper based materials stored in libraries and archival collections.

Independent tests conducted by leading research laboratories have verified the safety and effectiveness of the Bookkeepers process. Tests show that the buffering agent is evenly distributed throughout a sheet of paper with no affect on the integrity of inks and does not damage adhesive or binding fabrics.

All Bookkeeper products are non-toxic, non-hazardous, contains no CFC’s and no solvents. The products are non-clogging, virtually odour-free and dry in minutes. Please note 214-2138 is only supplied as a “refill” for 214-2108 pump spray bottle. The solution is for spray systems.

PRODUCT CODE	DESCRIPTION	PRICE
214-2108	8oz pump spray bottle (150 gram)	£30.95
214-2138	38oz refill (900 gram)	£108.95

➤ **Bookkeeper Deacidification Spray System**

Some deacidification systems use a nitrogen pressurised cylinder to propel the deacidification. Many institutions have a health and safety concern using this method. The Bookkeeper system is non-toxic, non-hazardous and contains no CFC’s and no solvents. The product is non-clogging, virtually odour-free and dry in minutes. The Spray System consists of a 7.5 litre pressurised tank, spray nozzle and air compressor. It is ideal for use on materials with larger surface areas. Bookkeeper refills area available in a 5.67kg container. The system is easy-to-use and is an economical way to treat oversized documents, maps and collections containing a large amount of individual documents.

The system requires a air compressor capable of 60 litres per minute at 3 to 3.5 bar. PEL can supply a suitable compressor. The Bookkeeper dispersion is available in one USA gallon (3.54 litres) containers that do not expire and just as effective for years to come. Usage approximately 75 square metres or 1200 A4 sheets.



PRODUCT CODE	DESCRIPTION	PRICE
214-0200	Bookkeeper Spray System	£1,905.00
214-0224	Bookkeeper Dispersion 3.54 litres	£447.00
214-0277	Compressor	£680.00



▼ **Dia Plastic Sprayer**

This 1 litre sprayer produces a consistent fine mist. The nozzle is adjustable from narrow to wide spray mist for large area applications. The translucent body allows you to view the water level.

PRODUCT CODE	CAPACITY	WT	PRICE
996-7601	1 litre	510g	£55.60

▼ **PEL Sprayer**

Designed for heavy-duty, long-term industrial liquid applications. The PEL-Sprayer features a clog-proof nozzle capable of delivering an infinitely variable and consistent spray pattern ranging from a fine mist to a powerful jet stream.

**Recommended Uses:** Water. Deacidification Solutions. Liquid Waxes. Detergents. Starches. Ceramic Cleaners. Leather Polishes and many other conservation uses.

**Clog-proof nozzle:** Precision .030mm opening, prevents dust from entering. Fine nylon filter on dip tube keeps nozzle clog free.

**Adjustable spray pattern:** At just the twist of a wrist, from a fine atomized mist to a powerful jet stream.

**Straight-line pump action:** Ensures more forceful, immediate action. Spray nozzle, priming valve, high pressure plunger, and suction mechanism are in-line for reliable consistent operation.

**Patented easy-pull pump action:** Has less pull tension to combat user fatigue.

**Non-vacuum valve:** Delivers sufficient liquid regardless of the amount left in bottle.

**The most chemical resistant sprayer on the market:** All parts are made of polypropylene or polyethylene with no rubber "O" rings or gaskets to dry out or deteriorate. Rust-proof springs and check valve are made of the finest quality stainless steel.

**Exclusive pressure release device:** Prevents bottle collapse no matter how hard you spray. Positive venting system prevents product container wall collapse.

**28mm Standard Screw Cap:** Fits any container, glass, metal or plastic with a 28mm threaded neck.

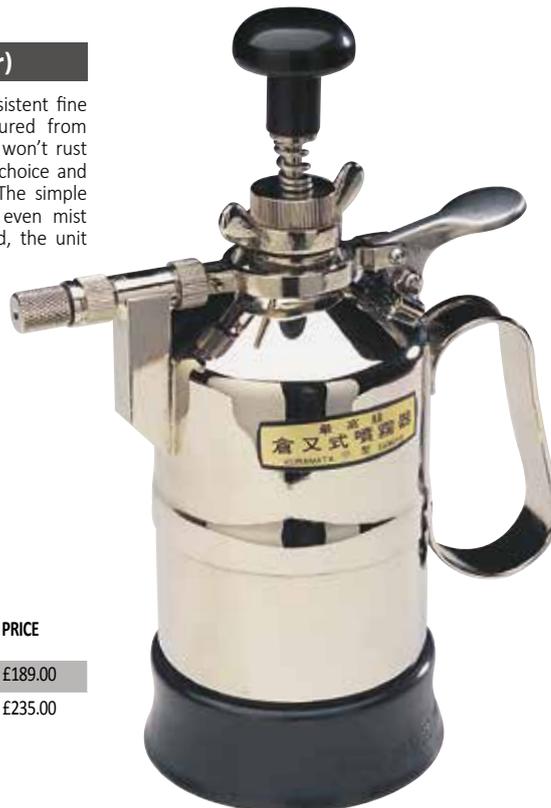
**Spray Container:** Palm size handle grip and liquid measurement scale.



PRODUCT CODE	PRICE
968-6000	£2.39

▼ **Kuramata (Dahlia Sprayer)**

This classic Japanese Sprayer creates a consistent fine mist from a variety of liquids. Manufactured from chrome plated solid brass, this rugged unit won't rust or pit. Simply fill the sprayer with liquid of choice and pressurise manually with the hand pump. The simple but effective technology produces a fine, even mist without drops or spatters. Once pressurised, the unit can dispense up to 100ml of liquid with the push of a lever. You will wonder how you ever got along without the indispensable conservation tool. Price each.



PRODUCT CODE	CAPACITY	WT	PRICE
996-7000	427g	400cc	£189.00
996-7100	800g	1000cc	£235.00



➤ **Mizubake Water Brush with Deer Hair Bristles**

This brush is made with many hairs in order to hold water for moistening materials to be backed or to be stretched after backing.

<b>PRODUCT CODE:</b> 996-0001	<b>PRICE</b>
Size: 53/4" wide. 3/16" thick. 13/16" bristle length (146mm x 4.7mm x 30mm)	£115.90

➤ **Nazebake Hard Smoothing Brush**

This bristles of this brush are made from the hemp palm tree. It is used to smooth and press moistened and pasted papers together.

<b>PRODUCT CODE:</b> 996-0002	<b>PRICE</b>
Size: 53/4" wide. 7/16" thick. 23/4" bristle length (146mm x 11mm x 70mm)	£78.50

➤ **Noribake Paste Brush**

Dense goat hair bristles are used to create this brush. Use to apply paste to backing materials.

<b>PRODUCT CODE:</b> 996-0003	<b>PRICE</b>
Size: 53/4" wide. 7/16" thick. 13/8" bristle length (146mm x 11mm x 35mm)	£85.50

➤ **Tsukemawashi Joining Brush**

Bristles are made from white goat hair. A thinner paste brush than Noribake (above) that is used for joining materials to backing.

<b>PRODUCT CODE:</b> 996-0004	<b>PRICE</b>
Size: 53/4" wide. 3/16" thick. 1" bristle length (146mm x 4.7mm x 25mm)	£92.50

➤ **Kuroge-Tsukemawashi Joining Brush**

Black bristles. Horsehair bristle is slightly stiffer than white bristles of Tsukemawashi. Suitable for more detailed applications.

<b>PRODUCT CODE:</b> 996-0005	<b>PRICE</b>
Size: 53/4" wide. 3/16" thick. 1" bristle length (146mm x 4.7mm x 25mm)	£92.50

➤ **Japanese Brushes**

Both these small brushes are used in conservation repair. The wood handle lies across the fingers and between the thumb allowing a natural brushing stroke. Made from the softest selected sheep and horse hair. **Price each.**

PRODUCT CODE	SIZE/HAIR	PRICE
996-0032	55mm/Horse Hair	£26.95
996-0033	55mm/Sheep Hair	£23.95

➤ **Hake Brushes**

Flat, wide, soft, white goat hair brushes. Gentle enough for delicate Japanese papers and tissues. Used for dusting, washing, sizing, mounting, gluing or spreading any thin media. Plain wooden handles, no metal ferrule to rust.

PRODUCT CODE	SIZE/HAIR	PRICE
680-00C4	1" (25mm)	£7.00
680-00C5	1-1/2" (38mm)	£9.20
680-0B30	3" (76mm)	£17.70



➤ **Anti-Static Brush**

Dissipate static and remove dust without the use of radioactive, electric or electronic devices. A special blend of natural hair and conductive fibre is carefully hand sewn with stainless steel wire. The result is a soft, gentle, and safe brush that is ideal for use on sensitive materials such as lenses, film, and computer screens. Static is removed by conductive fibres while the natural blend of fine goat hair whisks away dust. **Price each.**



PRODUCT CODE		PRICE
886-0038	Anti-static Brush 38mm	£11.95

➤ **Anti-static brushes** NEW product

Antistatic brushes are the ideal solution for fighting dust. Clean the surfaces of films and free film strips from electrically charged particles. The large brush is also ideally suited for removing dust, dirt and static electricity from glass panes in picture framing and plate copying. They make the picture, the film, or display case dustfree and statically neutral. This means that they also become dirty considerably slower as there is no static charge to attract the dust again. Also, excellent for removing loose deposits when cutting plastazote or similar. Mixture of natural and synthetic fibres set into a handle made of conductive plastic. **Price Each.**



PRODUCT CODE	LENGTH	PRICE
886-0140	152mm Anti-Static Brush	£31.50

➤ **Silicone (Non-Absorbent) Brushes**

The unique silicone tipped brush prevents adhesives, paint, glazes, wax and plaster from sticking to the brush. Ideal for mixing, spreading, modelling, carving or making small adjustments without the particle/fragment coming away on the end of the brush. No doubt conservators will find many other uses such as separating small specimens and much more. If any material dries on the tip it can simply be peeled away. Will work with tough adhesives, even dry contact cement peels off. Works like a spatula, use them to apply and spread even fine layers of paint, leather dressing, or adhesives, evenly blend pastel, charcoal and soft graphite. Available in ivory soft (S), grey firm (F), various shapes and sizes. To find out which silicone brush suits your intended application we have included sample wallet sets. This will allow you to test the firmness and shape.

PRODUCT CODE	DESCRIPTION	SIZE	PRICE
683-11901	Soft (5 brushes, one of each shape)	0	£16.95
683-12901	Firm (5 brushes, one of each shape)	0	£16.95
683-11902	Soft (5 brushes, one of each shape)	2	£21.95
683-12902	Firm (5 brushes, one of each shape)	2	£21.95
683-11900	Soft (5 brushes, one of each shape)	6	£29.95
683-12900	Firm (5 brushes, one of each shape)	6	£29.95

➤ **Conservation Brushes**

We have a variety of brushes which painting conservators demand, and conservators in other areas will find appropriate for hundreds of tasks. Winsor & Newton Series 7 brushes are made of 100% Russian Kolinsky Sable hair, and feature seamless, cupro nickel ferrules on polished black handles. La Corneille Golden Taklon Brushes come in two styles, Tight Spot Detailers and Spotters. Both blend three thicknesses of dyed synthetic filament to perform like the finest natural hair. They are highly absorbent, durable and versatile. **Price each.**

➤ **Winsor & Newton Series 7**

PRODUCT CODE	SIZE	PRICE
682-7030	000	£8.54
682-7020	00	£9.13
682-7000	0	£9.54
682-7001	1	£10.21
682-7002	2	£12.13
682-7003	3	£16.92
682-7004	4	£26.88
682-7005	5	£34.67
682-7006	6	£45.00

➤ **La Corneille Golden Taklon Brushes**

PRODUCT CODE	SIZE	PRICE
<b>Tight Spot Detailers</b>		
682-7670-10	10/0	£2.76
682-7670-5	5/0	£2.76
682-7670-0	0	£2.88
<b>Spotters</b>		
682-7650-10	10/0	£2.76
682-7650-4	4/0	£2.76
682-7650-0	0	£2.88



Conservation Brushes

Craftsman Brushes made by a small family business that has been in existence for over 100 years. The top quality bristles are made with natural materials such as white goat hair, horsehair, pig/hog, squirrel, plus German silver and brass bristles.

Used for conservation from dusting, paste and paint applications, varnish, cleaning, retouching, washing, and various other functions. The makers produce far more brushes than we have shown in our catalogue. Therefore if you can not find the brush you are seeking, please let us know. We welcome your comments and look forward to hearing from you.



ITEM	PRODUCT CODE	WIDTH	BRISTLE LENGTH	TYPE HAIR	PRICE
1	687-461653	120mm	30mm double	White Goat	£8.95
2	687-428653	150mm	35mm single	White Goat	£9.95
3	687-428643	150mm	30mm double	Horse	£10.95
4	687-429653	300mm	35mm single	White Goat	£12.75
5	687-462534	200mm	40mm double	Hog	£19.95
6	687-45130	40mm dia.	15mm triple	White Goat	£8.95
6	687-45131	40mm dia.	15mm triple	Soft Hog	£8.95
7	687-41356	15mm dia.	30mm full	White Goat	£8.00
7	687-413512	30mm dia.	40mm full	White Goat	£15.85
8	687-452653	100mm	35mm double	White Goat	£7.95
9	687-453632	110mm	20mm triple	Soft Hog	£6.95
10	687-453522	110mm	20mm triple	Hog	£6.95
11	687-452532	90mm	20mm double	Brass	£6.95
12	687-452115	90mm	20mm double	Soft Hog	£4.95
13	687-41926	5mm dia.	6mm full	White Goat	£1.25
13	687-419210	7mm dia.	9mm full	White Goat	£1.55
13	687-41934	6mm dia.	10mm full	Soft Hog	£1.25
13	687-41938	7mm dia.	15mm full	Soft Hog	£1.55
14	687-451521	30mm	15mm triple	White Goat	£4.95
15	687-451110	30mm	12mm triple	Brass	£5.50
16	687-451651	30mm	12mm triple	Hog	£4.95

Round Bridled Glue Brushes

These 100% pure grey hog bristle brushes feature a plain sanded handle and seamless aluminum ferrules. For all hot or cold glue applications. Wire bridle construction for added strength.



PRODUCT CODE	SIZE	DIA	BRISTLE	PRICE
032-3041	#8	0.5"	1.5"	£5.25
032-3035	#12	0.75"	1.75"	£6.95
032-3037	#16	1"	2"	£8.60
032-3039	#22	1.5"	2.375"	£14.90

Reservoir Brush (Water Brush)

Made from polyethylene, polypropylene and nylon, the reservoir brush enables the application of liquids without the necessity of continually refreshing the tip through dipping. This ensures a more even distribution than normal brushes allow over a larger area, thus making it ideal for many brush-based conservation treatments where consistency is a requirement. The reservoir brush may be used for a number of applications, from wet-tearing (without the abrasive scratching usually associated with stylus pens) to the localised application of solvents\*, deacidification agents and detergents. The Reservoir Brush has been used to good effect with vacuum treatments on the PEL Cold Suction Table and Small Suction Platens.

Price each. \* Not suitable for use with Alkenes or Ketones.



PRODUCT CODE	DESCRIPTION	PRICE
685-0101	Reservoir Brush Detail Tip	£3.65
685-0102	Reservoir Brush Medium Tip	£4.40
685-0103	Reservoir Brush Large Tip	£4.95

Flat Angled Brush

Flat angled Fitch or crevice brush made from black hog hair with strong copper ferrule. Price each.



PRODUCT CODE	WIDTH	LENGTH	PRICE
032-4725	0.5" 13mm	300mm	£4.00
032-4721	1.0" 25mm	325mm	£7.60

Cleaning Brushes Nylon

The cleaning brush has a wood handle, metal ferrule, flat 19mm wide bristles, stiff nylon one end and soft nylon the other. These inexpensive brushes can be discarded once too dirty. Price per pack of 5 brushes.



PRODUCT CODE	WIDTH	LENGTH	PRICE
032-4703	0.75" (19mm)	237mm	£9.50

Brass Cleaning Brush

This copper ferrule brush has brass wire one end and bristles the other. Also known as a sieve cleaning brush. Price each.



PRODUCT CODE	WIDTH	LENGTH	PRICE
032-4750	1.25" (32mm)	130mm	£7.65

➤ **Dusting Brush**

This quality brush will not scratch photographs, negatives, documents or artwork. Perfect for cleaning dust, dirt, and repair material residue; made of extremely soft goat hair. Bristle length is 45mm out of a seamless aluminum ferrule. Ferrule is 19mm wide, bristles flare to 35mm. White wooden handle with a black tip.

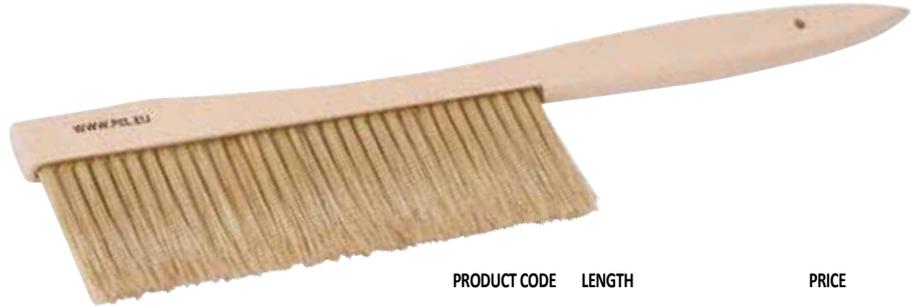
Price each.



PRODUCT CODE	BRISTLE LENGTH	DIAMETER	PRICE
682-2403	45mm	35mm	£8.95

➤ **Wide Dusting Brush**

A durable 15" (381mm) wood handle dusting brush with high quality 2" (50mm) bristles. This brush is manufactured for PEL to a specification designed for Libraries, Archives and Museums. Cleans dust, dirt and paper cleaning powder from paper and books. Picture framers use it to dust down mounting boards, glass and picture frames. Ideal for dusting library shelves.



PRODUCT CODE	LENGTH	PRICE
869-3640	Dusting Brush	£10.50

➤ **Badger Brush**

Conservators have always used badger brushes and we are frequently asked to supply them. Badger brushes are best known for shaving brushes.

The PEL badger brush bristles have a spring to them which flicks out particles of dust when cleaning works of art, especially useful when cleaning picture frames. Brush length is 270mm, bristles 65mm long mop head.



PRODUCT CODE	DESCRIPTION	PRICE
869-2000	Badger Brush	£32.50

➤ **Soft Dusting Brush**

Made especially for PEL from pure Siberian Squirrel hair, this is softer than sable in-fact you will not find a softer brush.

A truly amazing brush which you will not loan or share with anyone.

The cold Russian Siberian climate produces an exceptionally strong soft hair and is considered by many to be the best.

Used for dusting the most fragile works of art and photographs, avoiding possible scratching of very delicate surfaces.



PRODUCT CODE	DESCRIPTION	PRICE
869-7000	18mm Dia. Mop Brush	£49.70

➤ **Phosphor-Bronze Brushes**

Phosphor-Bronze brushes for stone cleaning/metal burnishing. Superb quality. 100% density of crimped phosphor-bronze (non rust) bristles. Made exclusively for us to our specifications for effective non-scarring action.

The brushes have been used with excellent ratings in the cleaning of historic buildings in the UK especially where Vulpex soap has been specified for interior stonework. The brushes feature fine-drawn phosphor-bronze wire crimped for extra strength and densely packed on hard wood stocks. In action, all the wire elements move as a single unit, promoting safer, scar-free cleaning on the most vulnerable stone facings. Compare this with the average industrial wire brush in which tufts of coarse wire rotate freely in pockets of space, leaving unsightly scratches.

Metal workers and restorers have also found the improved brushes to be effective for faster removal of corrosion products and burnishing with minimal scratching. Pre-lim cleaning/burnishing paste, as a final process, produces a silk-smooth finish. The working wire has a length of 25mm and, in the sculptor's brush, 34mm. In regular use the brushes have proved to be resilient with an excellent service life.



PRODUCT CODE	LENGTH	PRICE
638-0041	Small Scrub 133 x 50mm	£23.38

PRODUCT CODE	LENGTH	PRICE
638-0044	Sculptor's Brush 300mm long	£15.00

PRODUCT CODE	LENGTH	PRICE
638-0043	Toothbrush 178 x 16mm	£8.35



→ **Purple Nitrile Gloves**

Market leading nitrile gloves, formerly branded Kimberly Clark. The unique purple colour provides quick visual differentiation from natural rubber latex and other synthetic gloves. Textured fingertips increases wet and dry grip, the design enhances comfort and fit. These natural rubber latex-free gloves have a primary material acrylonitrile-butadiene reducing the potential for glove associated type 1 allergic reactions to natural rubber latex proteins. Powder-free minimizing the potential for powder related complications such as irritant contact dermatitis. Better chemical resistance than latex also stronger and suitable for persons with latex allergy. The extra small could well be used for visits by schoolchildren.

PRODUCT CODE	SIZE	PACK	PRICE
837-5200	X Small	100 gloves	£14.80
837-5201	Small	100 gloves	£14.80
837-5202	Medium	100 gloves	£14.80
837-5203	Large	100 gloves	£14.80
837-5205	X-Large	90 gloves	£14.80



→ **Cut Resistance Gloves**

An extremely comfortable glove with lots of sensitivity and touch. Cut resistance gloves offer cut protection on the whole of the hand whilst allowing your hand to breathe on both sides, the palm and the back. The glove is manufactured with a patented cut resistant fibre, an ultra high molecular weight of polyethylene fibre gives strength without bulk. This gives the user a good grip when handling slippery objects. Completely lint free and can be used in a class 100 cleanroom environment.

→ **Anti-Static Dissipative Glove**

These anti-static gloves dissipate static, the long lasting electro conductive filament that is made with a three layer composite fibre, with a centre layer of carbon containing a dissipative polymer sandwiched between two nylon layers.

The corona discharge caused by this construction produces a long lasting static eliminating effect, which excels in resistance to washing, abrasion and fading without affecting its static properties. The gloves can be used for fine and delicate work such as film and items where static is best avoided.

→ **Lint Free Gloves**

Cotton gloves cannot be lint free, for users requiring lint free gloves we have introduced these nylon knitted gloves with a superb light feel and sensitivity. The gloves are ambidextrous and available in four sizes. While the gloves are used for handling works of art and paper archives, they can also be used as a warm liner under vinyl, latex or nitrile gloves when working in cold conditions. The gloves can be washed and packed for cleanroom conditions.

PRODUCT CODE	SIZE	PACK	PRICE
837-6100S	Small	10 pairs	£4.95
837-6100M	Medium	10 pairs	£4.95
837-6100L	Large	10 pairs	£4.95
837-6100XL	Extra Large	10 pairs	£4.95

PRODUCT CODE	SIZE	PACK	PRICE
837-549S	Small	10 pairs	£39.50
837-549M	Medium	10 pairs	£39.50
837-549L	Large	10 pairs	£39.50
837-549XL	Extra Large	10 pairs	£39.50

PRODUCT CODE	SIZE	PACK	PRICE
837-3000S	Small	10 pairs	£13.95
837-3000M	Medium	10 pairs	£13.95
837-3000L	Large	10 pairs	£13.95
837-3000XL	Extra Large	10 pairs	£13.95



➤ **PEL Finger Grip Gloves**

These gloves are used for fine delicate manipulation as well as handling valuable works of art with confidence. It is like having a finger grip on each finger and thumb and providing protection for finger ends. Record offices find the gloves ideal for sorting papers and book pages, protecting the documents from body oils and fingerprints. The gloves are made from white nylon and the fingertips are polyurethane. Each glove is ambidextrous and available in four sizes. **Price per 10 pairs.**

PRODUCT CODE	SIZE	PRICE
837-100S	small	£16.95
837-100M	medium	£16.95
837-100L	large	£16.95
837-100XL	extra large	£16.95



➤ **Sure Grip Inspection Gloves**

Handle objects with the confidence provided by Sure Grip Inspection Gloves. Thousands of tiny nodules cover the palms and digits of these heavy duty cotton gloves for a firm grasp, while protecting the object from the damaging chemicals in body oils. Gloves are available in small, medium, large. **Price per dozen pair.**

PRODUCT CODE	SIZE	WT	PRICE
948-101S	small	364g	£18.95
948-101M	medium	364g	£18.95
948-101L	large	410g	£18.95
948-101XL	extra large	455g	£18.95



➤ **Tough Work Gloves**

Ideal for general manual handling tasks, as supplied in our "Just-in-Case" Case. Available in medium and large, made with polycotton, latex palm dipped with excellent grip and breathable.

PRODUCT CODE	SIZE	PACK	PRICE
377-3024M	Medium	pair	£1.39
377-3024L	Large	pair	£1.39

➤ **White Cotton Gloves**

Much of the damage to photographs and negatives is caused during handling by the chemical reactions of the body oils in fingerprints with the image during the handling process. These pure, lightweight white washable cotton gloves will protect your photographs, negatives, microfiche, microfilm and artwork from fingerprint oils, dirt and chemicals. Available in medium and large size. **Price per dozen pair.**

PRODUCT CODE	SIZE	PKG	PRICE
837-717S	Small	Pkg 12	£8.75
837-717M	Medium	Pkg 12	£8.75
837-717L	Large	Pkg 12	£8.75
837-717XL	X-Large	Pkg 12	£8.75

➤ **Disposable Gloves**

These disposable, copolymer gloves safeguard both your hands and the materials you are handling. Gloves fit either hand, require no powder and come packed in a 100-glove dispenser. **Price per 1000 gloves**

PRODUCT CODE	DESCRIPTION	PRICE
837-2000	10 x 100 packs	£7.95



➤ **Latex Gloves**

These high quality powder free latex gloves are ambidextrous and have the high sensitivity required when handling items that require feel. They are also ideal for handling wet items in conservation procedures. **Price per package of 100 gloves.**

PRODUCT CODE	DESCRIPTION	PRICE
837-0001	small	£10.95
837-0002	medium	£10.95
837-0003	large	£10.95



HardCap Head Protection

**NEW** product

More comfortable and less bulky than a standard hardhat. Provides complete protection in its category by meeting the requirements of the EN812:2012 BSI® Standard 1.B.3.4.

- Cool airflow
- Completely lightweight - Weighs less than 135g without compromising safety
- Side reflection panels



PRODUCT CODE	DESCRIPTION	PRICE
214-3000	Hardcap safety hat	£15.60

Tyvek Hooded Coverall

Lightweight comfortable to wear hooded coverall with elasticated hood, ankles and cuffs. Ideal for disaster clean-up work to protect the wearer with maximum comfort and protection.



PRODUCT CODE	SIZE	QTY	PRICE
035-1412S	small	5	£31.20
035-1412M	medium	5	£31.20
035-1412L	large	5	£31.20

PowerCap Powered Air Filtration Mask

**NEW** product

PowerCap is a lightweight, firm fitting, ergonomically designed positive pressure respirator, designed to protect the user from dust and most airborne particulate pollutants to EN12949+A2 TH1P.

- Powered Air - gives a cooling, comfortable supply of filtered air at 160 litres per minute eliminating breathing resistance and visor misting.
- Bump Cap Head Protection
- Eye and face impact protection to EN166 1B
- Each battery lasts 8 hours



Complete with faceshield, two TH1P filters, one battery pack, and one charging dock. Conforms to EN 166, EN812+A1, EN12941+A2 TH1P

PRODUCT CODE	DESCRIPTION	PRICE
214-4000	PowerCap Active	£295.00

Safety Goggles

These safety goggles have a polycarbonate lens and body offering protection against medium energy high-speed particles at 120m/s (270mph) the optical qualities of the lens comply with requirements for optical class 1. The body gives protection against large dust particles, liquid droplets and has been treated with an anti-misting coating. Meets the requirements of EN166 1.B.3.4



PRODUCT CODE	DESCRIPTION	PRICE
377-3011	Goggles Anti mist dust & liquid	£1.95



Filterspec

The Filterspec filter and valve are disposable while the rest of the respirator cradle can be re-used. Lightweight re-usable filter holder element for an economic PPE solution. Exhale valve is fitted to reduce heat and CO2 build up for greater comfort, giving a comfortable fit and no steaming. The unique Filterspec effortlessly combines both eye and respiratory protection. The one-piece lens offers optimal coverage and has Anti-Mist and Anti-Scratch coating as standard. FMP3 filtration which gives 99% efficiency for very fine dust and aqueous mists. The Filterspec includes black holder, 3 filters and spectacle with clear HC and Anti-Mist Lens. Replacement filters are available.

Spectacles conform to EN166.1.F.T  
Mask conforms to EN1827:1999+A1:2009

PRODUCT CODE	DESCRIPTION	PRICE
214-5129	Filterspec with 3 FMP3 Valve Filters	£27.95

Dust Masks (Pre-Moulded Shape)

The masks are available in two traditional designs with or without valve. The new shape 214-6321 mask design offers a maximum surface area. This minimises breathing resistance and maximises the dust carrying capacity. The 214-6321 mask is shaped without the use of malleable nose clips. In addition, it has a 4 point suspension with integral elastic adjustment.



Wide range of masks to protect against a variety of dusts, fumes and mists. Hygienic and hypo-allergenic for excellent protective performance. Lightweight and comfortable to wear. Highly efficient and completely reliable. Produced from premium quality materials. Elasticated head straps for perfect personal fit. Extremely low breathing resistance for reduced wearer fatigue. Compatible with other facial protection equipment. Approved EN 149. International packaging with user instructions in seven languages. Valve to enable easier breathing when worn for long periods.

PRODUCT CODE		PK	PRICE
214-5211	no valve fine toxic dusts, fibres & aqueous mists APF4 x OES, FFP1-111	20	£12.00
214-5221	valved fine toxic dusts, fibres & aqueous mists APF10 x OES, FFP2-122	10	£9.70
214-6321	valved fine toxic dusts, fibres & liquid based aerosols APF20 x OES, FFP3-132	5	£14.90





➤ **PEL Fume Filtration Cupboard**

PEL re-circulating fume cabinet complete with “OS” filtration system. This cabinet meets BS7989 the British Standard that defines the specification and operation of ductless fume cabinets. The cabinet is for use with organic solvents and is designed to operate with a face velocity of 0.5 m/s (metres per second). Manufactured from polyester coated steel, aluminium uprights are anodised for added protection offering exceptional structural strength to support the 8mm thick transparent panels which are highly corrosion resistant and easy to clean in the event of accidental spillage.

Front floor flaps are hinged to enable easy access for larger items, the rear of the cabinet is a clear panel. The base tray is manufactured from high density polypropylene. No ducting is required therefore, installation is not necessary. Fully portable enables positioning in the most suitable location.

Quiet operation less than 50d (B) A and low power consumption. Comes with low air flow alarm. We recommend you change the pre-filters regularly to protect the main filters, this will reduce running costs.

**105-900C** supplied with pre-filter and carbon filter.  
**105-900H** supplied with pre-filter, carbon filter and HEPA filter.

The Hepa filter model is for particulates, this model is also suitable for removing mildew spores. We supply a base tray with each fume cupboard for table top use, **trolley cupboard is extra and should be ordered separately.**



**SPECIFICATION**

Power Supply 230 & 110 voltage  
 Power Consumption 0.5 Amps/100 watts  
 Face Velocity 0.5 m/s  
 Dimensions Internal 770W x 520D x 810mmH  
 Dimensions External 800W x 570D x 1145mmH  
 Weight 65kg  
 Delivery to UK mainland. installation and commissioning: £240.00.  
 Export delivery at cost

PRODUCT CODE	DESCRIPTION	PRICE
105-900C	Carbon Filter Model + Base Tray	£2358.50
105-900H	HEPA & Carbon Model + Base Tray	£2717.75
105-9008	Replacement carbon filter for both models	£486.95
105-9013	Replacement HEPA filter for 105-900H	£620.95
105-9016	Replacement Pre-filters for both models	£42.60
105-9017	Trolley Cupboard with Locking wheels & shelf	£720.75

➤ **ULT Jumbo FilterTrolley**

The ULT jumbo filter trolley is an air extraction and filtration system designed to filter dust particles, mould spores, solvent vapours and other pollutants from the work environment.

Every day conservators and restorers work with a multitude of solvents, paints and preservatives such as biocides that are often classified as hazardous materials. Objects to be restored can release dusts and vapours of unknown composition, which could include mould fungus spores, into the air that could be inhaled, a major health risk. For this reason, occupational health guidelines demand air-borne hazardous particles be drawn off directly at the point where they are released before they present a hazard to human health.

**The JUMBO Filtertrolley 2.0 Restauro has been designed to meet the specific needs of conservators and restorers.** In addition to its very good suction performance, the unit stands out for its low weight, easy handling and a low noise level. Its compact size means that the unit can easily fit in a car and can thus be transported easily and fast to different workplaces.

- Safely and quietly remove hazardous particles and fumes from your workplace
- Variability: The suction plate is adjustable. Intake sockets are available in diameters of 50, 63, 75mm.
- Easy filter exchange: Just remove the clip-fastened suction plate to access the filter to be exchanged.
- Easy handling: Pull out the telescopic handle for transportation – push it in for operation
- The ULT JUMBO Filtertrolley can be operated in different device positions to comply with various work place environments
- The exhaust opening is also adjustable. The opening can be removed and replaced by an exhaust hose.

Extraction rate is easily variable and can be adjusted to very low levels to insure more delicate objects remain undisturbed.

The filter trolley is a portable unit which produces low noise levels and is easy to operate and maintain. Clean air exits at the base of the unit and produces no drafts.

**Technical Specifications**

Maximum Flow rate: 170M3 /Hour  
 Maximum Vacuum: 2,800 Pa  
 Power output (flow rate): 803/Hour hat 1,400 Pa  
 Electrical connection: 230V/50 Hz  
 Power input: 150 W  
 Dimensions: 450 x 340 x 530 mm  
 Weight: 18kg  
 Noise level: 49 dB(A)  
 Material: impact resistant ABS, resistant to chemicals, resistant to corrosion, adjustable exhaust direction. optional air outlet



PRODUCT CODE	DESCRIPTION	PRICE
105-3000	Filtertrolley	£1,940.00



PEL Just-In-Case Case

The Just-In-Case Case and Just-in-Case Pack are complete disaster preparedness kits. The kits have been created with the experience and support of conservators, curators, archivists, librarians and collection managers. Provides a range of items and tools to prevent further damage, document damage and then clean-up. The kits are intended for use in small scale disasters such as flooding, exposure to elements or dust ingress. Seals are included to prevent the misuse of contents.

The Just-In-Case Case (main image above) is a two wheeled trolley designed to be used primarily by a 2 person team which can be pulled up steps or the boxes removed for separate handling. On the top of the trolley the contents of each box are listed so that any items may be found quickly. Both boxes are security sealed so that it would be obvious if the seals were broken and items have been removed and not replaced. Spare security seals are provided with each kit.

The Just-In-Case Pack (pictured right) is a single box kit designed for use by one person as a more compact and lighter weight solution. It contains most of the items present in the Case in a more portable package. Due to space constraint the pack contains significantly less water absorbing materials than the case. If water ingress is a likely issue we would strongly recommend choosing the Case.

Case and Pack contents shown below.



PRODUCT CODE	DESCRIPTION	PRICE
377-3777	Just-In-Case Case	£299.00
377-3744	Just-In-Case Pack	£150.00

CONTENTS	IN CASE	IN PACK
<b>CLEAN - UP ITEMS</b>		
Mop	1	1
Broom	1	1
Handle	1	1
Bucket with wringer	1	1
Heavy duty rubbish or recovery bag	5	3
High absorbing sponges	2	2
Dust pan & brush	1	1
Smoke sponges	2	2
Zipper bags (A4)	50	50
Absorbent cloths	Pk of 10	Pk of 10
PEL cloths	2	2

CONTENTS	IN CASE	IN PACK
<b>PREPARING DAMAGE SURVEY</b>		
Clipboard with lined pad and pencils	1	N/A
"Rite in rain" pad	1	1
Permanent marker pens	2	1
Tyvek waterproof labels	Pk of 50	Pk of 50
Accident camera kit	1	1
<b>ILLUMINATION</b>		
Windup torch	1	1
Head Torch	1	N/A
Safety light sticks	5	3
<b>DEFLECTING &amp; ABSORBING WATER</b>		
Tarpaulin sheet	1	N/A
Absorbent strips	10	10
Absorbent water barricade cushions	4	2
Absorbent Booms	4	N/A

CONTENTS	IN CASE	IN PACK
<b>OTHER USEFUL ITEMS</b>		
Red / white barrier tape	1	1
Utility knife	1	1
Duct tape	1	1
Nylon cord	1	N/A
<b>PROTECTION FOR RECOVERY TEAM</b>		
Tyvek protection hooded suits	1xM 1xL	1xL
Goggles for dust and liquids	2	1
Hi-Visibility Vests	2	1
Rubber over-boots	1xM 1xL	1xL
Poncho	2	1
Disposable Aprons	Pk of 100	N/A
Dust masks	2	1
Tough work gloves	1xM 1xL	1xL
White cotton gloves	Pk of 12	N/A

➤ A selection of individual items from Just-in-Case-Case / Pack

PROTECTION FOR RECOVERY TEAM

➤ Goggles

These goggles have a polycarbonate lens and body offering protection against medium energy high-speed particles at 120m/s (270mph). The optical qualities of the lens comply with requirements for optical class 1. The body gives protection against large dust particles, liquid droplets and has been treated with an anti-misting coating. Meets the requirements of EN166.1.B.3.4.

PRODUCT CODE	DESCRIPTION	PRICE
377-3011	Goggles Anti mist dust & liquid	£1.95

➤ Hi-Visibility Vest

Front Velcro fastening with reflective tape. A health and safety essential for any work place. This high visibility sleeveless vest complies with EN741 class 2.

PRODUCT CODE	DESCRIPTION	PRICE
377-3010	Hi-Visibility Vest	£2.75

➤ Hazmat Over-Boots

Latex hazmat boot covers gives an extra layer of protection for various applications, excellent for use in spill cleanups. 100% water proof latex, dipped construction with a ribbed and textured sole to prevent slipping. 12 inch tall, the flexibility allows you to slip on easily over most shoes and boots. Price per pair.

PRODUCT CODE	DESCRIPTION	PRICE
377-3028L	Over-Boots Large	£6.95
377-3028XL	Over-Boots Extra Large	£6.95

➤ Poncho

This emergency poncho is re-usable rain-wear manufactured to the highest standards complying with EU regulations. Comes with its own pouch, individually packed.

PRODUCT CODE	DESCRIPTION	PRICE
377-3032	Poncho	£3.88

➤ Disposable Aprons

White Polythene disposable aprons, 100 to a dispenser pack. The aprons are fluid and bacteria resistant. Ideal for studio use for washing and wet repairs. Price per 100 aprons 27" x 42" (686 x 1067mm)

PRODUCT CODE	DESCRIPTION	PRICE
611-P450	100 pack dispenser	£5.95

➤ Tyvek Hooded Coverall

Lightweight comfortable to wear hooded coverall with elasticated hood, ankles and cuffs. Ideal for disaster clean-up work to protect the wearer with maximum comfort and protection. Apron, loop at neck, tie sides.

PRODUCT CODE	SIZE	QTY	PRICE
035-1412S	small	5	£31.20
035-1412M	medium	5	£31.20
035-1412L	large	5	£31.20

CLEAN UP ITEMS

➤ Mop, Brush Bucket Set

A complete clean up kit as featured in our Just-In-Case Case. The compact size and 3 piece handle make it easy to store or fit in a disaster kit.

The plastic bucket comes complete with a removable wringer. The handle can be used with mop or broom heads and comes as 3 x 440mm sections, these push together to form a 1200mm handle, which then screws into either the mop or broom head. The soft broom head, measures 330 x 90mm. All 4 items are available as a kit or individually.

PRODUCT CODE	DESCRIPTION	PRICE
377-3002	Mop Head	£1.60
377-3005	Broom Head	£2.95
377-3003	3-Piece Handle	£2.45
377-3004	Bucket with Wringer	£2.80
377-3006	Complete Kit – Bucket, Wringer, Mop, Broom & Handle	£9.00

➤ Heavy Duty Rubbish Bags

Made from heavy duty woven plastic, each bag measures 600 x 1000mm. Ideal for removing debris such as fallen plaster in the event of a disaster. Sold in 5s.

PRODUCT CODE	DESCRIPTION	PRICE
377-3029	Heavy duty rubbish bags	£3.15

➤ Dustpan and Brush Set

Red plastic dustpan and brush set.

PRODUCT CODE	DESCRIPTION	PRICE
377-3027	Dustpan and Brush	£2.10

➤ Absorbent Cloths

Multi-purpose super absorbent cloths for wiping up small spills or wiping clean. The cloth soaks up to 10 times own weight in liquid and can be used wet or dry on any hard surface. Size 40 x 38cm. **Pack of 10.**

PRODUCT CODE	DESCRIPTION	PRICE
377-3037	Absorbent Cloths	£3.73

PREPARING DAMAGE SURVEY

➤ Accident Camera Kit

Designed for documenting disaster damage or any other incident, the kit can be used to provide valuable evidence in the event of an insurance claim or as an aid to restoration. The kit contains a 35mm disposable camera with flash, ballpoint pen, crayon, measuring tape and an incident report form.

PRODUCT CODE	DESCRIPTION	PRICE
377-3030	Accident camera kit	£7.50

➤ Security Tags

Designed to re-seal opened Just-in-case cases and packs. Tags provide a tamper-proof seal and break on opening.

PRODUCT CODE	DESCRIPTION	PRICE
377-3042	Pack 5 Security Tags	£1.95

ILLUMINATION

➤ Windup torch

The windup torch requires only 1 minute of manual winding to provide a full charge. The torch features 3 LED bulbs and 3 different light settings. Insures you are never without a light source.

PRODUCT CODE	DESCRIPTION	PRICE
377-3015	Windup torch	£6.50

➤ Head Torch

This high quality 12 LED head torch has 4 modes of operation, adjustable beam angle, adjustable straps and is water resistant. Requires 3 x AAA Batteries.

PRODUCT CODE	DESCRIPTION	PRICE
377-3020	Head torch	£8.90

➤ Safety Light Sticks

These safety light sticks provide 12 hours of illumination and are ideal for providing low level illumination in the event of a disaster.

PRODUCT CODE	DESCRIPTION	PRICE
377-3014	Pack 5 light sticks	£5.95

DEFLECTING & ABSORBING WATER

➤ Tarpaulin Sheet

The tarpaulin Sheet is 5.5 x 3.65M and made from woven plastic. It is both waterproof and extremely strong, making it ideal for covering valuables in the event of water ingress or as a temporary barrier in the event of a broken window or leaky roof. The tarpaulin has metal eyelets to allow it to be secured with cord.

PRODUCT CODE	DESCRIPTION	PRICE
377-3016	Tarpaulin sheet	£14.45

➤ PEL Water Absorption Barricade

The Pel water cushion has an absorbing capacity of an amazing 20 litres. The dimensions are 570mm x 420mm x 5mm, and the cushion can be used as a sand bag once full. It requires little storage space, is lightweight, environmentally friendly, and is easily disposed of.

The tear-resistant outer cover contains a super absorbent material, which absorbs 20 litres, ie. ~100 times it's own weight of 210 grams. It absorbs flood water, fire fighting water, weak acids, alkalis, diluted solvents and mud-sand mixtures. Thanks to its high degree of heat resistance, the water cushion can be used close to any fire.

PRODUCT CODE	DESCRIPTION	PRICE
377-3007	Water cushion	£11.99

OTHER USEFUL ITEMS

PRODUCT CODE	SIZE	PRICE
377-3017	Red/White Barrier tape 70mmx100m	£5.75
688-9031	Wide grip utility knife	£6.95
377-3031	Black Duct tape 50mm x 50M	£4.50
377-3021	Nylon Cord	£2.95

### Helpful Hint

*What You Should Know...*

To effectively cope with an unexpected event, collections should be surveyed, inventoried and reviewed by appropriate staff. Staff should have adequate equipment and supplies on hand to handle the collection during an emergency, and the know-how to use it.

Finally, emergency handling guidelines should be discussed in expectation of a disaster, procedures written, and copies provided to key staff members both on and off the premises. Put aside a supply of emergency supplies. They should include flashlights, plastic sheeting, rolls of paper, and blotters. These and other emergency tools should be kept together in a readily accessible, designated area and be easily transportable to the disaster site.

### Newsprint Paper

Newsprint Paper is an inexpensive, absorbent material ideal for mopping up spills and for drawing water away from saturated documents. If disaster strikes, you can't have enough of this economical wipe-up at your disposal. Not acid-free.

**Price per roll.**



PRODUCT CODE	DESCRIPTION	PRICE
668-3400	800mm x 200m	£17.35

### PEL Water Absorption Barricade

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PRODUCT CODE	DESCRIPTION	PRICE
377-3007	Water cushion	£11.99

### Absorbent Pads

**NEW** product

Absorbent pads for fast response to spills, water ingress and minor flooding. Ideal for your disaster recovery kit, each sheet is 400x500mm and 4.5mm thick. Our pack of 100 sheets is enough to cover 20 sq metres. Each pad can absorb up to 1 litre of fluid, a pack contains enough pads to absorb the equivalent volume of an average bath.

- Designed to absorb and retain water and other fluids, ideal for accidental spills and leaks
- Lightweight and strong due to low linting coverstock applied to both sides, minimises ripping, tearing and fraying
- Very low linting dimpled construction to ensure product stability even when saturated
- Heat sealed edges to optimise fluid retention 100% top grade polypropylene construction
- Dark grey coverstock hides absorbed fluids, keeping your work environment looking neater
- Fast absorbing, even on heavy fluids, will absorb oils and industrial liquids



### Water Absorbent Strips

Water absorbent strips contained in a dispenser box as a continuous strip which can be torn off at 60cm intervals. These thin strips are ideal for wedging under doors or in other spaces to prevent water ingress. Absorbs 1.5 litres per 60cm strip. Each box contains 30 metres.

PRODUCT CODE	DESCRIPTION	PRICE
377-3023	Water Absorbent Strips 30M	£46.60

### Water Absorbent Booms

These 1.2M booms can absorb approximately 6 litres of water, light-weight and versatile, they are simple to use and dispose of. The booms are the ideal shape for containing spills or stopping water from flowing under doors or furniture. Absorbs 6 litres per 1.2M boom. Sold as a pack of 20.



PRODUCT CODE	DESCRIPTION	PRICE
377-3022	1.2m long x 60mm diameter	£49.54

### Mop, Brush Bucket Set

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377-3005	Broom Head	£2.95
377-3003	3-Piece Handle	£2.45
377-3004	Bucket with Wringer	£2.80
377-3006	Complete Kit – Bucket, Wringer, Mop, Broom & Handle	£9.00

### Plastic Sheeting

Clear strong polythene centre-fold sheeting for protection in storage against dust, moisture, is ideal for draping over library shelves protecting from leaks and water in a disaster situation. Thickness: 76 micron. Price per roll.



PRODUCT CODE	DESCRIPTION	PRICE
425-0312	2m folding to 4m x 50m	£49.95



PRODUCT CODE	DESCRIPTION	PRICE
377-3023	Water Absorbent Strips 30M	£46.60

**Emergency Response & Salvage Wheel**

Much of our cultural heritage is held in collections like yours but when a natural disaster or other emergency strikes many irreplaceable items can be lost. Water damage is the most common threat to collections. The wheel will help you to safeguard artefacts and records damaged by water whether from flooding, fire, earthquakes or severe storms.

The wheel has essential information to help you cope quickly and effectively when disaster strikes.

**Side One** Action Steps outlines critical stages of disaster response such as stabilizing the environment and assessing damage.

**Side Two** Salvage Steps provides practical tips for nine types of collections, books, documents, photographs, electronic records, paintings and more.



PRODUCT CODE	DESCRIPTION	PRICE
476-2020	Emergency Wheel English	£9.95

**Barricade Tape**

This barricade tape allows protection for staff and visitors by highlighting danger areas. Thick polyethylene tape, durable and lightweight. Wrap round poles, or fittings or staple to wood stakes to block off areas of disaster. Supplied on easy to use spools, the tape can be used time and time again. Available over printed with DANGER (961-1076 only).

377-3017 & 961-1070



961-1076



PRODUCT CODE	DESCRIPTION	PRICE
377-3017	70mm x 100m Roll	£5.75
961-1070	70mm x 500m Roll (2.75" x 1640ft)	£11.80
961-1076	76mm x 500m Roll (3" x 1640ft)	£17.95

**Zorbix**

**NEW** product

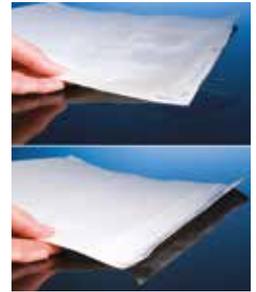
Zorbix has multiple uses in conservation, see the full product listing on page 167

**Use in Disaster Recovery**

On-site water removal from items immediately reduces damage and speeds the recovery of items for return to use. Packages of Zorbix placed in disaster recovery kits give the response team an effective tool. In a saturated book, placing the sheets every 20-50 pages will quickly and effectively reduce water by 50% and reduce the risk of mould growth. Zorbix can remove water from any porous material: vellum, paper, textiles, leather and wood.

**Zorbix sheets and strips are reusable whether they are used for humidification or drying.** The alpha-cellulose outer paper may become soiled after numerous cycles, however an interleaving of Hollytex or similar can act as a barrier without reducing effectiveness.

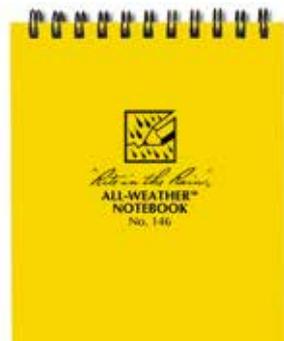
Sold as packs of 10 sheets, or strips sold as a pack which consists of; 6 x 1" squares, 6 x 2" squares, 4 x 3" squares, 4 x .5" x 11" long strips.



PRODUCT CODE	SIZE	PACK	PRICE
986-1009	Zorbix Sheets 6"x9" (152mm x 228mm)	10 sheets	£46.00
986-1010	Zorbix Sheets 7.5"x10" (190 x 254mm)	10 sheets	£51.20
986-1014	Zorbix Sheets 10"x12" (254 x 305mm)	10 sheets	£58.50
986-1020	Zorbix Sheets 15"x20" (381 x 508mm)	10 sheets	£62.00
986-1033	Zorbix Humidity Strips	Mixed 20 pack	£20.55

**"Rite in the Rain"® Spiral Notebooks**

These notebooks are unlike any other notebook in the world. Their solid construction and wet-strength paper make them the only notebook for use with a pencil in all-weather conditions (a must for your disaster preparedness kit). Polydura cover with O-wire binding. Each page comes with a universal 1/4" ruled line and a feint 1/4" grid.



PRODUCT CODE	SIZE	SHEETS	PRICE
377-3146	102 x 152mm	50 (100 pages)	£5.95

**Water Alert®**

Water Alert® guards year round against undetected water leakage. A small amount of water seeping under Water Alert® activates its electronic sensor producing a loud high pitched "on-off" alarm. The self-contained, dome shaped unit is rugged, non-corrosive and safe. Sensor adjusts easily to allow activation from 0.4mm to 3mm above surface. Will not activate due to high humidity. The battery operated sealed solid state circuitry will provide approximately 3-day on/off audible alarm when activated (9 volt battery not included). Can easily be heard throughout a two-storey home for full day/night surveillance. **Price each.**



**Tyvek Hooded Coverall**

Lightweight comfortable to wear hooded coverall with elasticated hood, ankles and cuffs. Ideal for disaster clean-up work to protect the wearer with maximum comfort and protection.



PRODUCT CODE	SIZE	QTY	PRICE
035-1412S	small	5	£31.20
035-1412M	medium	5	£31.20
035-1412L	large	5	£31.20

PRODUCT CODE	DESCRIPTION	PRICE
476-1000	Water Alert	£263.20

➤ **Silverfish Traps**

Silverfish eat paper and glue with great gusto. Damage inflicted by silverfish ranges from slight abrasion to actually eating through pages of books and other paper based artefacts. They also eat rayon and cellophane. Unlike messy powders, These silverfish traps are clean, and won't leave residue on your hands or locations where they are placed. By infusing boric acid, paper pack and glue with an attractant that is irresistible to these damaging insects, the silverfish will crawl inside the corrugated package to eat, and are quickly killed. **Price per package of 24 traps.**



PRODUCT CODE	DESC.	QTY	PRICE
368-6047	136g	Pkg 24	£11.95

➤ **PELtrap Insect Window Trap** NEW product

A non-poisonous insect glue trap for capturing and monitoring a wide variety of insects using lures. The folding card trap uses a powerful banana-scented attractant that works on most crawling and flying insects.

The windows on the trap and the glue pad are so positioned as to force insects to commit to entry and prevent escape. Self adhesive base prevents accidental movement in draft prone areas such as window sills. Supplied as two traps which can be used together or separated along the perforated line.

Insect Trap Dimensions (single trap):  
64mm W x 62mm D x 40mm H

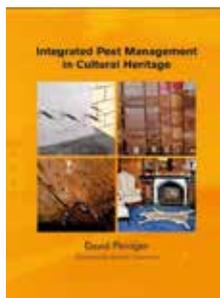
PRODUCT CODE	DESC.	QTY	PRICE
975-0012	PELtrap Window Trap	Pkg 30	£4.95



➤ **Pest Management Book** NEW product

**"Integrated Pest Management For Cultural Heritage Pest management" By David Pinniger.** book for the protection of museum and historical collections. Integrated Pest Management for Cultural Heritage is a practical, colour- illustrated, working handbook for the curator, conservator and all persons concerned with the management of collections. It is an essential guide to the recognition of insect, rodent and bird pests with advice on the practical steps required to prevent and control damage to collections.

The latest information on the trapping and detection of pests is presented together with guidelines for pest recording. The author explains the advantages and disadvantages of physical and chemical control measures, including concerns about the use of pesticides and their effects on staff and the environment. In addition, he demonstrates that Integrated Pest Management (IPM) is not only a safer option, but also a more cost-effective solution to the complex problems of pest control.



Offers comprehensive guidance for the necessary action and treatment of any pest problem likely to be encountered in museums, galleries, libraries, archives and historic houses. The author, David Pinniger, is an entomologist and international pest management consultant.

**Chapter 1** Introduction to Integrated Pest management in Cultural Heritage What is Integrated Pest management? Why have Integrated Pest management in a Museum? Developing a strategy, Implementing Integrated Pest management

**Chapter 2** Insect pests Why are insects pests? What are insects? What are the Pests? Pests which attack wool, fur, feathers and textiles Pests which attack herbarium collections and dried food, General detritus feeders, mould feeders and scavengers Woodborers, Termites, Mites

**Chapter 3** Insect detection and monitoring Where do insects come from? How do you find insects? Insect traps, Pheromones Wooden objects, X-rays, ultrasonics and incubation

**Chapter 4** Prevention of insect infestation Exclusion, Environment, Temperature, Humidity, Hygiene, Storage, Quarantine

**Chapter 5** Control of insects Insects control in buildings, Non-chemical methods, Chemical methods, Control of insects in objects, Physical Control, Atmospheric gases, Radiation, Residual insecticides, Fumigation, Damage to objects by chemical treatments, Safety and pesticide use

**Chapter 6** Rodents and Birds Rodents, Rodents as pests, Surveying for rodents, Preventing rodent infestation, Rodent control, Rodent control strategy, Other vertebrate pests, Bats, Squirrels, Birds, Management of birds, Repellents and deterrents

**Chapter 7** Implementing IPM Developing an IPM Strategy, The future

PRODUCT CODE	DESC.	PRICE
975-9781	Integrated Pest Management	£35.00

➤ **Tobacco Beetle Trap**

Lasio Trap, a simple pheromone trap and monitoring device for use against tobacco beetles (*Lasioderma serricorne*).

Using pheromone technology, the Lasio trap can be used as a control tool as well as a monitoring device. The pheromone capsule will remain active for 4-6 weeks. Afterwards the trap should be replaced by a new one.

The application is versatile and can be used to recognise and localise infestation at an early stage, to monitor population density, and to check the success of other control measures. By using Lasio Traps the requirement and use of harmful insecticides may not be required.

NEW product



PRODUCT CODE	DESC.	QTY	PRICE
975-0154	Tobacco Beetle Trap	Pkg 10	£41.75

**Read more about pest prevention in museums and galleries on our blog:**

<http://www.preservationequipment.com/blog>



Warehouse Moth Trap

Sticky trap for moths, the SP Locator for common warehouse moth detection.

The insects are attracted by the pheromone lure, enter the trap and are caught on the non drying glue insert on the bottom. They are easy to use and simple to fold and assemble. The low profile trap design is ideal for placement under or inside storage/display areas.



The SP Locator moth trap can be used as a tool for finding the source of infestations quickly and effectively. The trap is sold complete with a lure for both Ephestia and Plodia. As a small, disposable trap it is ideal for use as a quick investigation tool or for any area where time increased monitoring is required to identify the source of infestations or for monitoring the effectiveness of treatments.

**NEW** product

PRODUCT CODE	DESC.	QTY	PRICE
975-1313	Warehouse Moth Trap Pkg 20		£16.40

Fabric Insect Trap

The most effective pheromone based Fabric Insect Trap in the world. The trap is used to monitor environments which have products made from natural fibres, for example precious textile and costume collections. This trap is unique as you can monitor a whole host of target insects including moths and beetles with a single type of trap.

Once activated, the trap works by releasing pheromones – airborne molecules that trigger a certain response in the insects – to attract the male before it has a chance to mate with the female. These pheromones are released at a steady rate across a period of 6-8 weeks. Male moths enter by keyholes on the upper surface, while beetle species crawl up the rough surface of the trap which replicates the crack-like harbourages they favour. **132mm Diameter, 30mm Deep.**



**NEW** product

PRODUCT CODE	DESC.	QTY	PRICE
975-0338	Fabric Insect Trap	Pkg 5	£41.75
975-0339	Refills for trap	Pkg 10	£41.75

Lo-Line Insect Detector Trap

This compact insect trap is an excellent detection tool, designed to identify infestation problems quickly, often before visual sighting of an insect. Fast identification an insect problem can make any treatment easier, quicker and more cost effective.



- Low height for sliding under units and remain out of sight and closer to the areas insects prefer
- Proven industry-leading pheromone attractant contained within a tablet supplied with the trap
- Dry-touch, no-mess glue

Originally developed to monitor the three main cockroach species, the Lo-Line Trap is designed to be low profile and can fit with ease under or within equipment for trapping many other crawling insect pests. The trap is easy to assemble and with a ready to use. The Lo-Line Trap comes with a high performance 13mm tablet attractant which uses known and approved flavour compound food ingredients. The traps are environmentally safe and do not contain any chemical pesticides

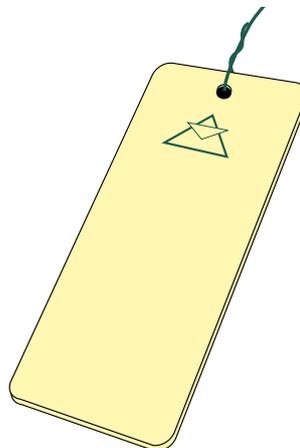
**NEW** product

PRODUCT CODE	DESC.	QTY	PRICE
975-0050	Insect Traps	Pkg 10	£6.25

Sticky Flying Insect Traps

Monitor and trap flying insects with these yellow sticky board traps. Double sided and coated with a high-tech non-drying adhesive, each board can be used twice. It is recommended that each trap is checked weekly and any catches recorded before reversing the board. Mount them near windows and other light sources. As the boards emit no chemical and rely on the colour to attract the pests, they may be left in place for as long as necessary.

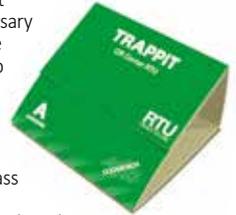
**Dimension: 100mm x 245mm**



PRODUCT CODE	DESC.	QTY	PRICE
975-0005	100mm x 245mm	10pk	£3.75

Sticky Insect Detector Trap

Sticky insect detector trap, protect vulnerable collections which can be devastated by a crawling insect population, and avoid unnecessary use of insecticides can damage your collection. This insect trap allows you to monitor exhibits and storage areas.



- Cost-effective and reliable solution for constant or mass monitoring
- Designed to sit discretely at the edge of rooms or work surfaces where cockroaches typically prefer to crawl
- Proven industry-leading pheromone attractant contained within the glue
- Dry-touch, no-mess glue

Insect trap details: A compact, sticky trap, with a triangular profile constructed from grease resistant card. They have been developed to monitor and catch insects by attracting them to the food based glue inside the trap which effectively traps them. This trap benefits from the same technology as the larger Lo-Line style trap, but is ideal for monitoring smaller areas or for quick investigations. This trap uses the well known and approved flavour compound food ingredients as the high performance tablet in the Lo-Line Trap, but in this trap the attractant is integrated within the glue instead of in tablet form.

**NEW** product

PRODUCT CODE	DESC.	QTY	PRICE
975-1163	Sticky Detector Trap	Pkg 30	£7.80

Clothes Moth Trap

Moth trap for detection of the number one museum insect pest worldwide, the clothes moth (Tineola bisselliella). Clothes Moth larvae feed on wool, hair, feathers, fur, upholstered furniture, bristles, dried hair and leather. Therefore if an infestation is left unnoticed, then it can quickly damage property and artefacts beyond recovery.

This trap is for the monitoring and trapping of moths and of other flying insect pests. It benefits from a patented unique black stripe design which is proven to increase trap sensitivity, and is cut and creased to shape for quick and easy assembly. Coated with a very sticky and non-drying adhesive, it is suitable for capturing large and small moth species using its specifically designed pheromone lures that are placed in the centre of the sticky pad for maximum effectiveness.

**We recommend that the trap should be inspected regularly and replaced after 12 weeks to ensure you always remain protected.**

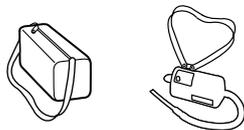
**NEW** product



PRODUCT CODE	DESC.	QTY	PRICE
975-0030	Clothes Moth Trap	Pkg 10	£34.80



561-8099 NYLON CARRY BAG  
561-8090 SHOULDER STRAP



**Museum Vac®**

Compact and light weight, specially developed to conservation standards with unique PEL features such as adjustable suction level, which allows the lowest vacuum on delicate fragile items, to full power for tougher cleaning jobs. Mildew spores are locked in a disposable HEPA filter bag by patented valve preventing further contamination. A range of accessories are available (please order separately) to suit most applications. Secure shoulder strap for hands free operation is designed for this model, as is a nylon carry bag for the vacuum and all the accessories. Stretch hose without coil back pressure and soft rubber tools prevent chipping and scratching works of art. Comes with hose and rubber nozzle as shown and one filter bag.

**PRODUCT CODE:** 561-1997 **£179.95**  
Museum Vac, Hose & Rubber Nozzle

<i>Power Supply</i>	230 voltage models
<i>Power Consumption</i>	650 watt
<i>Airflow</i>	12 litres per second
<i>Suction</i>	642mm H <sub>2</sub> O
<i>HEPA Filtration</i>	0.3 micron
<i>Capacity</i>	1.7 litres
<i>Weight</i>	2 Kg
<i>Dimensions</i>	320 x 175 x 146mm

**561-4251 HEPA FILTER BAGS £19.95 PER PACK OF 10**

**Museum Vac® Backpack**

Museum Vac backpack with two speed control designed for mobile cleaning with hands free operation, ideal for working on steps and ladders. Electronic two speed control plus unique suction reducing device allowing the lowest vacuum on fragile items, to full suction power on tougher cleaning jobs. Particular attention has been paid to user comfort, convenience and safety, with lightweight distribution and low operational noise level. HEPA filter system and 2 stage disposable dust bags ensuring continuous high performance and easy emptying. The standard accessory kit incorporates all that is needed for the quick and efficient cleaning of all surfaces right down to the lightweight, free flow floor nozzle which simply glides from carpet to hard floors or vice versa without so much as a single adjustment.

A full accessory kit is included with the museum vac backpack, making it suitable for use straight out of the box.

**PRODUCT CODE:** 561-1980 **£ SEE WEBSITE**

Power Supply 230 Volt

**PRODUCT CODE:** 561-1980-110 **£ SEE WEBSITE**

Power Supply 110 Volt

<i>Power Consumption</i>	1100 Watt
<i>Airflow</i>	40 litre/sec
<i>Suction</i>	2400mm H <sub>2</sub> O
<i>Capacity</i>	6 litres
<i>Cable Length</i>	10 metres
<i>Weight</i>	6 Kg
<i>Dimensions</i>	440 x 360 x 215mm

**PRODUCT CODE:** 561-4149 **£8.95**

HEPAFLO Filter Bags. Pack of 10



Tools included



**Museum Vac® in Carry Case**

This Museum Vac® comes complete within a carry case storing the tools and accessories in the lid. As with all Museum Vac's it is adjustable for delicate suction to full power vacuum. Thermal protection cuts out the motor if bag is full or blocked (automatic reset). The 800 watt motor produces a 30 litre per second airflow making a strong suction of 1400mm WG. This Museum Vac® will tackle very tough jobs and still do delicate conservation work. The 3 stage HEPA filter system keeps mildew spores locked in the disposable paper bag by a patented non-return valve. Our extensive range of purpose made brushes and accessories are available for all models of Museum Vacs (please order separately). Comes completely integral, in its own carry case, stretch hose, rubber nozzle, crevice tool and brush and one filter bag.



**PRODUCT CODE:** 561-1990 **£287.60**

Power Supply 230 Volt model

**PRODUCT CODE:** 561-1990-110 **£293.90**

Power Supply 110 Volt model

<i>Power Consumption</i>	800 watt
<i>Air flow</i>	30 litres per second
<i>Suction</i>	1400mm H <sub>2</sub> O
<i>Capacity</i>	2.7 litres
<i>Weight</i>	5.5 Kg
<i>Dimensions</i>	457 x 241 x 190mm

**561-4150 HEPA FILTER BAGS £25.50 PER PACK OF 10**



**Picture/Stretcher Vacuum Kit**

Designed especially for painting conservators but no doubt other uses will be found for this handy kit. Ideal as an accessory for the Museum Vac® and will fit other vacuum cleaners. The one metre long tube can be washed, as can the fittings to remove any infestations such as mildew spores. The thin flexible spatula end is designed to reach into narrow slots to disturb dust and dirt which can then be vacuumed, the flat end can be extended with card to reach further. The fan fitting is for vacuuming on the frame edges, it is also useful in other conservation cleaning methods.

PRODUCT CODE	DESC.	PRICE
561-4960	Picture Stretcher Kit	£26.95

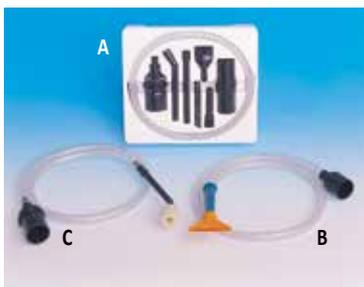
**Museum Vac® Accessories**

PIC.	PRODUCT CODE	ACCESSORIES	PRICE
A.	875-UV-2/1	Mini Adaptor Kit fits all models	
		£16.50	
	561-8099	Nylon Carry Bag fits 561-1997 model	£11.95
	561-8090	Shoulder Strap fits 561-1997 model	£10.95
F.	561-8650	Crevice Tool Brush	£3.95
E.	561-8610	Crevice Tool	£4.25
B.	561-4958	Fan Shaped Fitting for Mini Adaptor	£14.95
M.	561-4956	Large Horse Hair Brush	£19.50
H.	561-4955	Small White Horse Hair Brush for Mini Adaptor Kit	£14.60 pair
L.	561-4954	Large White Goat Hair Brush	£19.50
J.	561-4953	Small Pig Hair Brush for Mini Adaptor Kit	£12.95 pair
G.	561-4952	Small White Goat Hair Brush for Mini Adaptor Kit	£14.95 pair
K.	561-4241	Large Brush & Textile Combination Attachment	£5.95
	561-4251	Filter Bags & Seal Label for 561-1997	£21.40 pack 10
	561-4150	Filter Bags & Seal Label for 561-1990	£25.50 pack 10
	561-4149	Filter Bags for 561-1982	£8.95 pack 10

A full range of spares is available for each model of Museum Vac®. All models are CE approved and are made in Great Britain. On the shelf spares, we are not dependent on overseas suppliers.



A. Mini Adaptor Kit.  
B. Fan Shaped Fitting - shown fitted to mini adaptor.  
C. Small Brush - shown fitted to mini adaptor.



**Museum Vac® WITH HEPA FILTER AND DISPOSABLE CARTRIDGE**

This model of Museum Vac® is designed for use when removing mildew spores, fungi and irritant or toxic dust. The machine is invaluable when cleaning documents and books that contain mildew spores that should be disposed of safely to reduce spreading. The health of the conservator is better protected by a HEPA filter. The disposable cartridge when filled with waste can then be disposed of in compliance with local regulations. The HEPA filter is built into the disposable cartridge and is automatically replaced when a new cartridge is fitted. As with all Museum Vacs it is adjustable from delicate suction to full power vacuum by the dial suction control. Comes complete with hose, crevice tool, brush, rubber nozzle and instructions all in its own carry case.



<b>PRODUCT CODE:</b>	<b>561-3000</b>	<b>£286.70</b>
Power Supply	220/240 volt & 110 volt (USA plug)	
Power Consumption	800 watt	
Air Flow	30 litres per second	
Suction	1400mm WG	
Capacity	4.6 litres	
HEPA Filtration	Down to 0.3 microns	
Weight	5.2kg	
Dimensions	465mm L x 195mm W x 245mm H	
<b>561-4300</b>	<b>2 PACK SPARE FILTER CARTRIDGE</b>	<b>£22.40</b>



<b>PRODUCT CODE:</b>	<b>105-9010 &amp; 105-9010-110</b>	<b>£4220.00</b>
Power Supply	220/240 & 110 Voltage	
Power Consumption	500 watts	
Volume Air Filtered	0.12m <sup>3</sup> /second	
Dimensions	973mm w x 668mm d x 1005mm h	
Work Area	911mm x 611mm	

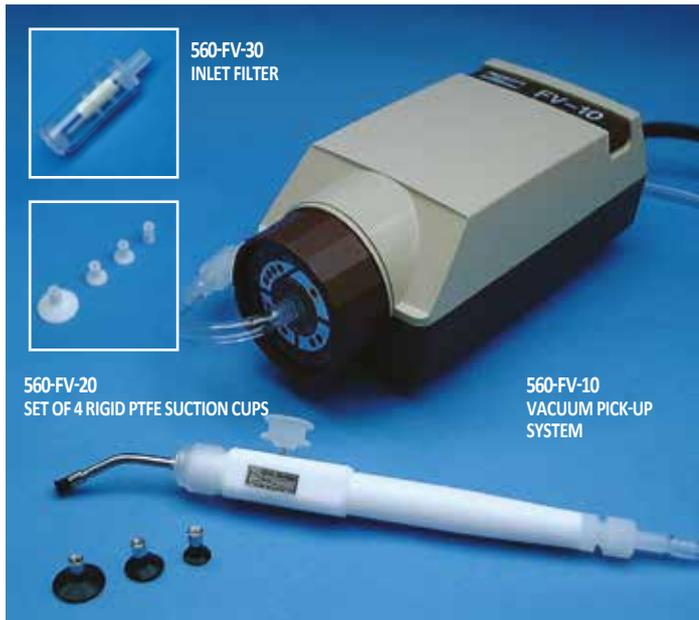
<b>PRODUCT CODE:</b>	<b>105-9014</b>	<b>£283.20</b>
Main HEPA Filter 99.998% = 0.3 micron size 'B'. Normal Life 2 years		

<b>PRODUCT CODE:</b>	<b>105-9012</b>	<b>£79.00</b>
Replacement Filtrate pre-filter size 'B'. Pack of 6		

### PEL Conservators Cleaning Machine

The downflow work station is manufactured for PEL. According to research some 136 types of fungi are harmful to people and archives. Of these, 18 are thought to cause a range of irritations and diseases including disorders of the respiratory tract, the mucous membrane, even tuberculosis, and can possibly cause disorders of the liver, mycoses and abscesses. The machine gives protection from mildew-spores, fungi and irritant or toxic sub micron particulates. Made from cold rolled sturdy steel structure epoxy powder coated for corrosion resistance in RAL: 9003 white. 80mm diameter nylon casters with brakes and an impact resistant handle included. Fitted with a particulate pre-filter 96% efficient @ 5 micron and a HEPA filter 99.999% efficient @ 0.3 micron for full protection.

Standard Model - The machine has proved invaluable when cleaning books that have been subjected to poor storage, which frequently contain mildew spores that should be disposed of safely to reduce spreading, or affecting the health of the conservator, who has the task of cleaning them before they are placed into archival storage. Air is extracted from around the work surface. These air paths provide a containment airflow that will entrain any particles present during conservation procedures. Larger debris falls into a removable dust tray which is easily removable for regular cleaning. The machine is completely mobile and can be wheeled to the required location to perform the cleaning. Comes complete with operating and maintenance instructions.



560-FV-30  
INLET FILTER



560-FV-20  
SET OF 4 RIGID PTFE SUCTION CUPS

560-FV-10  
VACUUM PICK-UP  
SYSTEM

### Vacuum Pick-Up System

This system is designed for various conservation practices, will pick up small fragments of wood, metal, gem stones, ceramics, paper and paint flakes. An advantageous feature of this system is that you are not required to hold your finger over a small hole (as with other systems) to create a vacuum. This is better for conservators to manipulate fragments into awkward positions, then simply press the button to release the fragment. The PTFE rigid cups will prevent pieces with wet adhesives sticking to the vacuum cup when you wish to release the fragment such as paint flakes.

The vacuum pump is very small, quiet in operation, lightweight and consumes only 5W of power. An internal filter on the inlet ensures that no particles can enter the pump mechanism and an outlet filter purchased separately ensures that no particles created by the pump are released into the surrounding air. This makes the pump suitable for class 1 clean rooms. Vacuum pressure is sufficient to lift 150 grams weight and is adjustable from maximum to very soft pressure. Spare inlet filters are also available.

This high quality wand is manufactured in PTFE, a fluoropolymer resin with exceptional resistance to high temperatures, chemicals and corrosion. This allows a high level of cleanliness to be maintained. The unique wand control valve ensures reliable suction and instantaneous release. Vacuum is continuously drawn until the button is pressed (press to release). Suction cups are easily changed without dismantling the wand itself. Silicone suction cups are included in diameters 5,8,11 & 15mm. An optional set of rigid PTFE suction cups in the same diameters is also available.

<b>PRODUCT CODE:</b>	<b>560-FV-10</b>	<b>£266.65</b>
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<i>Adjustable Vacuum Pressure</i>	4kPa to -14kPa
<i>Flow Rate</i>	2.71/min
<i>Power Consumption</i>	5.0W
<i>Duty Cycle</i>	Continuous
<i>Dimensions (D x W x H)</i>	155mm x 72mm x 54mm
<i>Weight</i>	600g
<i>Flexible Tubing included</i>	1 metre

<b>PRODUCT CODE:</b>	<b>560-FV-20</b>	<b>£45.90</b>
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Set of 4 rigid PTFE suction cups

<b>PRODUCT CODE:</b>	<b>560-FV-30</b>	<b>£24.95</b>
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Inlet filter



### Wet & Dry Vacuum

Multi-purpose vacuum for professionals. Compact, easy-to-use and lightweight with powerful technology in a modern design.

This vacuum is the quietest vacuum we have found, just 62 dB(A) at 1 metre (quieter than a typewriter). The difference in this vacuum cleaner becomes obvious once you try it. Exceptional airflow and vacuum power using the cyclone principle for more effective suction. The filter is washable tear-resistant made of PE fibre fabric. Comes with accessories universal nozzle, 2 piece extension tubes and combination floor nozzle.

<b>PRODUCT CODE:</b>	<b>561-440</b>	<b>£131.70</b>
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Power Supply	230 Volt/1000w
Noise Level/DIN	64 db(A)
Container Volume	20 litre
Vacuum	160 mbar
Air Flow	3600 litre/min
Weight	7.5kg
Dimensions	375L x 385W x 505mmH
Cable Length	5M

PRODUCT CODE	DESC.	QTY	PRICE
561-440	Wet & Dry Vacuum Cleaner	Each	£131.70
561-61156	Filter Bags for 561-440	Pkg 5	£9.95

### ▶ PEL Cold Suction Table (Low Budget)

PEL's experience in supplying cold suction tables has enabled us to develop a system that is high quality and capable of performing to the demands of conservators who have limited budgets. Manufactured completely in stainless steel to allow (with the correct vacuum system) solvents to be used. The perforated top, which is loose, enables thorough cleaning inside the table and the vacuum airways. The support stand (also stainless steel) is designed for the vacuum system to be located underneath and is available separately. The suction table can be used on a workbench or the support stand. The working height with the support stand is 960mm. Perforations are 1.5mm holes of 2.6mm pitch 30% open area.

Cold suction tables are used for stain removal, spot cleaning, relaxing, parchment treatment, removing creases and cockling, spot leaf casting and other conservation work. Comes with 2 metres of hose and tee piece (extra length of hose is available). For optimum drying, remove one hose, this will allow cross airflow below the object instead of totally pulling through it, especially useful in treating textiles and parchment. Various vacuum systems are available, such as our variable wet and dry vacuum, for solvents you will require a suitable system, alternatively you may already have an existing system. If you require information on the vacuum systems we supply, please contact customer service. *Caution: wet and dry vacuums must not be used with solvents.*

**PRODUCT CODE DESCRIPTION**

<b>0107-8060</b>	Stainless Steel Suction Table Dimensions: 800 x 600 x 60mm Weight: 18kg	£595.00
<b>0107-8600</b>	Support Stand Dimensions: 780 x 580 x 900mm Weight: 9kg	£299.00

### ▶ PEL-Humidity Dome

The PEL-Humidity Dome is designed to exactly fit our PEL Cold Suction Table (Low Budget) alternatively, it will fit over a large suction table. On a large table the perforated area should be blanked off to ensure the suction is only drawn inside the dome. It can also be used without suction on a workbench.

The large damper regulates the build up of negative vacuum pressure inside the dome and prevents excessive external pressure on the dome. We suggest our Ultrasonic Humidifier Kit (see page 138) is used for moist air, which gives a very even movement of mist within the dome, allowing relaxation to be controlled and even.

Made from clear 6mm acrylic with a base size of 795mm x 595mm x 330mm high.

**PRODUCT CODE PRICE**

<b>0107-8063</b>	PEL-Humidity Dome	£395.00
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### ▶ Vacuum for Suction Tables

PEL have years of experience supplying cold suction tables enabled them to find the most suitable vacuum for use with suction tables.

This variable wet and dry vacuum is ideal because the suction level is adjustable. The 230mb pressure with 3600 litre/min, just what is required for a suction table. The vacuum is supplied with anti-static 27mm diameter 3.5metre hose, which fits the connections to the table and book suction device.

Additional feature of the vacuum has an electrical socket to plug in an electrical tool that when operated will start the vacuum. Caution the vacuum must not be used with solvents.

**PRODUCT CODE PRICE**

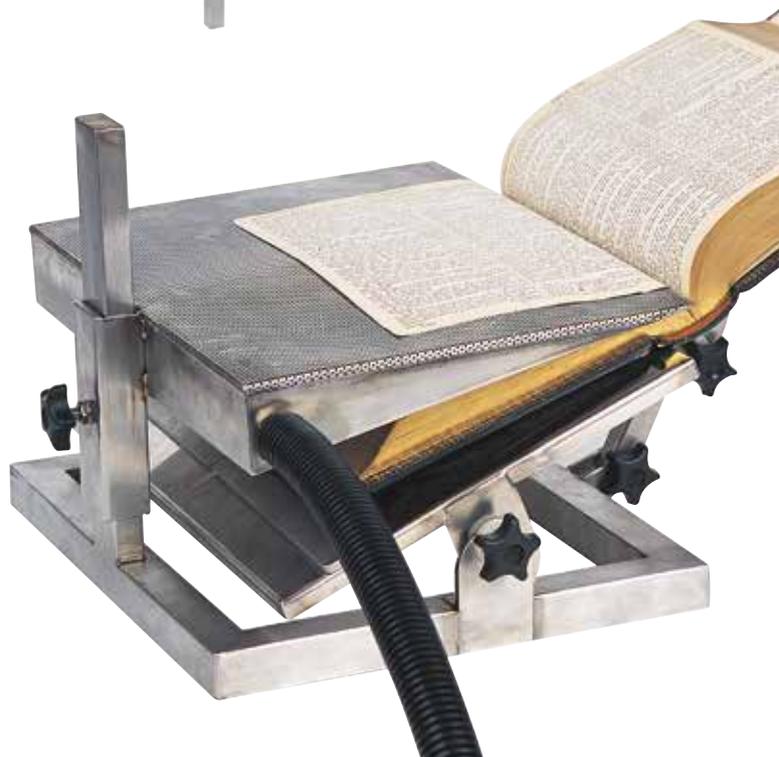
<b>561-4500</b>	Vacuum 220/240 volt	£414.30
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### ▶ PEL-Book Suction Device

Made from stainless steel (it will fit into a fume cupboard if you are using solvents). Withstands very high vacuum pressures, especially useful when spot cleaning a small area with the rest of the platen blanked off.

Working surface of 380 x 300mm with 1mm perforated holes 3mm apart. To create a fine perforation surface use Saatifil over the Platen. To blank off sections for spot cleaning use latex sheeting. Comes with 2.5 metres of strong vacuum hose, can be connected to your existing vacuum unit (if you have one). Alternatively we can supply vacuum systems, please specify your working requirements.

<b>805-3007</b>	£795.00
Platen Size	380mm x 300mm
Overall Size	425mm x 300mm x 300mm
Weight	7kg



## Mastercast Leafcasting Machine

This new leaf casting machine has been developed by PEL after years of experience in designing and marketing leaf casting and paper infill machines for paper conservators. It incorporates a number of new design features, which when combined with its large casting area offer the conservators much more than any other leaf casting machine. The PEL caster trials have already proved a superior quality of paper infill.

The machine consists of a casting tank and holding tank. Water is pumped into the casting tank first from the holding tank, housed below the casting area. Pulp is then mixed with the water in the casting tank containing the paper to be infilled. During the casting process, the pulp is removed from the water through the openings of the document being repaired and is held in place by a filter mesh placed below the damaged paper.

Normally available from stock due to the fact they are manufactured in a quantity to enable us to offer this high specification machine at such a low price. Other suppliers have them made to order, are more expensive, and have long delivery times. Comes complete with operating manual, please note that to operate this machine requires some experience of paper infill and leaf casting knowledge is recommended. Pictures show work before paper infill repair and the finished quality.



<b>PRODUCT CODE: 0906-7080</b>	£4995.00
Casting Area	760mm x 690mm
Dimensions	900mm x 760mm x 1000mm high
Water Tank	15 gallons (67.5 litres)
Power Supply	240 volt 13 amp 50 Hz
Water Pump	370w
Vacuum	1000w
Water Flow	40 litres per minute
Weight	90kg



BEFORE



AFTER

Cleaning is made easy, the casting screen is removable as is the internal holding tank and pipe work can be removed for cleaning. Casting sink has integral "shoulder" to enable easy sealing of the casting screen membrane. Vacuum unit can be manually or timer controlled. Vacuum power is adjustable. Controls enable a selection of either top fill through sprinkler bar, bottom fill or both together. This feature allows simple water level adjustment prior to casting.

### Features:

- Large casting area for large and multiple paper infill repairs
- Siphonic action for optimum infill
- Powerful and quiet centrifugal water pump
- Top sprinkler box enables low velocity rapid fill
- Bottom fill enables safe increase in water level with document in place
- Combined top and bottom fill ability
- Separate water level adjustment facility for accurate fill levels
- Holding tank allows quick drain down facility for easy access
- Flush support grid ridge allows simple masking and sealing with no pulp leakage
- Internal vacuum with speed and timer control gives high quality results of leaf casting
- Low maintenance and easy cleaning
- Mobile rubber tyred casters with foot operated brake
- Operation Manual

## PEL Pulp Blender

This tough no nonsense blender is ideal for paper pulp and is an essential accessory for leaf casting machines. Make your own pulp from prepared pulp or off-cuts of paper and board. The tough glass goblet allows you to view the pulp during blending, most useful when colouring or using off-cuts.

It has 3 speeds; 1 for normal work and 2 for really fine pulp. The multi position easy fix one litre glass goblet can even be positioned for left or right hand use. Within the jug lid is a special measuring device, whilst the heavy chrome base and non-slip feet ensure stability in use. As for cleaning, it couldn't be simpler. The tough glass goblet and blade are dishwasher proof and both come apart for easy cleaning.

<b>PRODUCT CODE: 805-3901</b>	£29.00
Power Supply	230 volt
Power Consumption	550 watt
Capacity	1.5 litre
Dimensions	405mm H x 210mm D



### Norfolk Book Sofa

see page 191



Follow us on  
**twitter**   
 @preservation\_e

**Precision Temperature Tool**

Controlling the heat from 100°C upwards is easy and exact with the temperature dial controller. Some experimentation may be required to calibrate the amount of heat needed. The selection of tips gives a dependable variety of conservation uses, from removing Sellotape to activating heat-set adhesives. Order tips and stand separately.

PRODUCT CODE	SIZE	PRICE
452-1003/1	UK Plug	£61.90
452-1003/1E	220 Volt Plug	£61.90
452-1002	Iron Stand	£9.84



	Product Code		Price
	452-1002	Tool Stand	£9.84
	452-1006	Sellotape Removal Tip	£12.82
	452-1007	Bent Needle Tip	£9.77
	452-1008	Medium Flat Tip	£12.68
	452-1009	Wide Flat Tip	£12.68
	452-1010	Fine Flat Tip	£12.68
	452-1012	Button Tip	£12.10
	452-1013	Blade Tip	£12.10
	452-1014	Curved Spade Tip	£15.52
	452-1015	Needle Tip	£9.88
	452-1016	Long Blank Tip	£9.88
	452-1018	Standard Tip	£9.57
	452-1020	5mm Round	£9.57

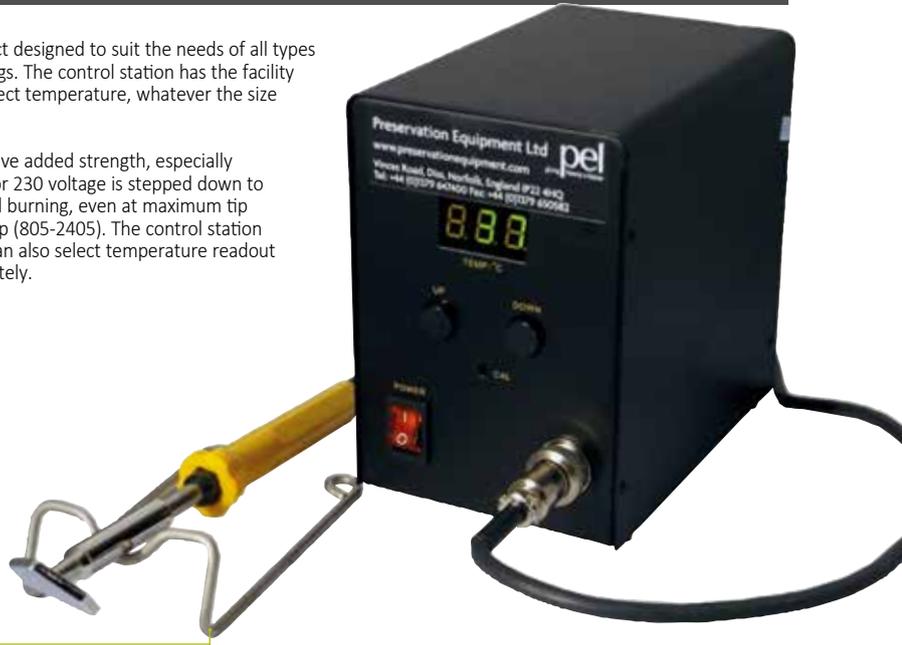
THESE TIPS ONLY FIT THE PRECISION TEMPERATURE TOOL

**Conservation Iron & Station**

This state-of-the-art tacking and heated spatula iron is a PEL proprietary product designed to suit the needs of all types of conservation, from tacking, burnishing to a delicate spatula tip for oil paintings. The control station has the facility to dial in the tip size reference so that the LED temperature readout is the correct temperature, whatever the size of the tip, small or large.

The iron shaft element has been strengthened with a stainless steel sleeve to give added strength, especially when used constantly as a heated spatula. Special safety features 115 voltage or 230 voltage is stepped down to 24 volt AC. The silicone cable provides remarkable protection against accidental burning, even at maximum tip temperature. Comes complete with instructions, control station, iron and flat tip (805-2405). The control station leaves the factory programmed in many languages, but set up in English. You can also select temperature readout in Fahrenheit or Celsius. Supplied with 805-2405 flat tip only. Stand sold separately.

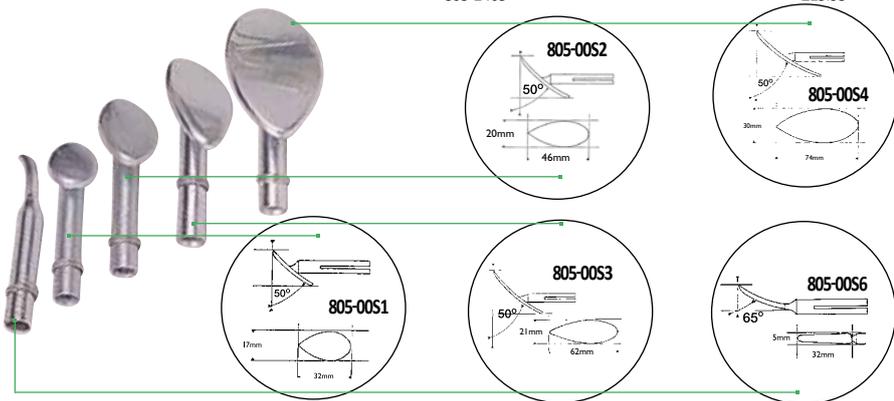
<b>Product Code:</b>	<b>805-690</b>	<b>£232.00</b>
Power Supply	220/240 Voltage	
<b>Product Code:</b>	<b>805-690-110</b>	<b>£232.00</b>
Power Supply	110 Voltage	
Wattage to iron	50 Watt	
Voltage to iron	24 volt AC	
Temperature Range	30oC - 200oC / 86oF - 392oF	
Accuracy	+/- 5oC	
Electric Cable	2.3m	
<b>805-TC50</b>	Spare Iron	£62.88
<b>452-1002</b>	Iron Stand	£9.84



**Tips**

Spatula and tacking tips for 805-6914, 805-690 and 805-760. These individually made tips are sold separately, illustrated with design shape and mm size.

805-00S1	£23.35
805-00S2	£23.35
805-00S3	£23.35
805-00S4	£23.35
805-00S6	£20.95
805-2405	£15.95



**Tacking Iron**

This low priced iron is suitable for light-duty applications, such as photographic dry mounting or tacking corners of heat activated laminating materials before inserting into laminating presses. Comes complete with curved tip. Please note this iron is not temperature controllable and gets very hot.



<b>Product Code:</b>	<b>805-6910</b>	<b>£22.95</b>
Power Supply	220/240 Voltage	
Wattage to iron	15 Watt	
Temperature Range	170oC (approx.)	
Weight with Tip	75g	

Conservation Work Station - Hot air Pencil with Heated Spatula Combination Tool

**NEW** product

The conservation Work Station allows independent, or combined use of both heat tools; adjustable hot air pencil, and heated spatula, each with a separate on/off switch.

**Hot air Pencil**

- Complete with 3 steel air tip nozzles (see images) for more delicate and accurate control of hot air.
- Temperature adjustment from 30°C to 200°C.
- Air-flow adjustment.
- Ideal for non-contact application of heat to adhesives.
- Useful for painting conservation work where flaking paints require gentle heat and reattachment.
- Heat locally applied poultices.
- 1150mm silicone flex.



The low air flow setting on the hot air pencil is particularly suited to conservation work as disruption of particle fragments is minimised, when returned to its holder the hot air pencil will automatically cool down.

**Heated Spatula Iron**

- With temperature adjustment from 30°C to 200°C the heated spatula can be used in combination with the hot air pencil or on its own.

Complete with 805-2405 tip (see images).

The hot air pencil and heated spatula can be operated together or separately offering the maximum operational flexibility for any studio or workshop, all in one tool.



**Includes;** Conservation work station (Hot air Pencil attached), 3 x Air tips, heated spatula, spatula tip, Power cable, Instruction booklet. **Conservation Work Station designed and manufactured exclusively for PEL.** 220/240 volt & 110 volt models available.

See page 130 for more tips to fit this tool



**Hot air blower**  
 Output - 700w  
 Temp Range - 30-200°C  
 Air Flow - 23 l/min  
  
 Power - 760w (max)  
 Construction - Steel housing  
 Base unit size - 160 x 95 x 141mm

**Tacking Iron**  
 Output - 60w  
 Temp Range - 30-200°C  
 Tip to ground potential <2mV  
 Tip to ground resistance <2Ω

**PRODUCT CODE**

**SIZE**

**PRICE**

805-760

Conservation Work Station 220/240 Voltage

£299.50

805-760-110

Conservation Work Station 110 Voltage

£299.50

**For our range of polyester welding machines, see page 54-55**



**Ultra-Sonic Spot Welder**



**Crossweld**



**Monarch Plus**

➤ **Preservation Pencil®**

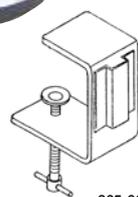
The Preservation Pencil was first available in 1989 and since that time hundreds have been supplied all over the world. The product has proved to be one of the most successful conservation tools.

It provides fine delicate jets of moisture (or dry) air from ambient to 100°C and is used for removing glue, resins, old labels, separating paper layers, activating adhesives and enzymes, relaxing and cleaning. Cold moisture produced by the humidifier is heated by the PENCIL to a desired predetermined temp, which remains at a constant level.

Conservators continually find new uses for the product and quote "How could we manage without it".

**How does it work?** The Preservation Pencil utilises cold mist produced by the Ultrasonic Humidifier(240v model shown) which is heated by the control unit, the desired temperature is selected at the unit which then remains at a constant precise temperature level. The digital display shows the actual working temperature. Adjustment is made by dialling the selected temperature, the control unit will then automatically adjust the Pencil and display the actual temperature. The range is from ambient 100° C, users find the lower temperatures very useful especially for cleaning with enzymes. The dry air facility is also especially useful for low temperature activated adhesives such as Beva 371 used in oil painting conservation.

Purified water is recommended to prevent build up of mineral deposits.



805-0003



805-1004

PRODUCT CODE	DESCRIPTION	PRICE
805-0001	Preservation Pencil 240v	£765.00
805-0011	Preservation Pencil 110v	£795.00
805-7115	Ultrasonic Humidifier 240v	£61.25
805-7002	Ultrasonic Humidifier 110v	£75.00
805-0002	Attachments & 1.6m Hose	£47.50
805-0003	Bench Bracket	£16.95
805-1004	Flexible Work Top Bracket	£99.70

**PLEASE NOTE:** When ordering please ensure you include attachments, hose and ultrasonic humidifier.

**Why Choose the Preservation Pencil over alternative steam units?**

- Temperatures below steam, ambient to 100°C temperature range
- No scalding boiling water, dry air facility, adjustable moisture levels
- Instantaneous (no start up time)
- Selection of support brackets, selection of nozzles
- Delicate jet of moisture (or dry air), does not spit or drip
- Ergonomic handle grip, LCD temperature display
- 220/240 or 110 voltage
- Clear water container to monitor level, don't run dry when at a critical stage
- Available from stock, 20 plus years proven experience, UK manufactured

➤ **Ultrasonic Humidifier Kit**

This kit contains our ultrasonic humidifier and hose kit to make a useful system. It provides an extremely fine cold mist, the fine jet nozzle allows 'spot' work, while the other attachment is for spreading the mist over a wider area. Very good system for relaxing without wetting on parchment, leather, paper, textiles and many other uses.

PRODUCT CODE	DESCRIPTION	PRICE
805-7007	Ultrasonic Humidifier Kit 240V (attachments & hose)	£108.75



Derotor Steam Cleaner



Steam, heat and pressure provide the means for immediate removal of particles from a given surface, cleaning it thoroughly. Conservators find these units useful for various work in stone, sculpture, archaeological, wall paper and no doubt other areas of conservation. The Derotor steam cleaners incorporate various safety features such as low voltage controls, thermostatic cut out should the water level become too low, a pressure release valve, water level indicator and rugged construction with stainless steel main tank and pipes. Deionised water is recommended to prolong boiler life. The steamers have a mains electrical supply and tank size of either 3 or 5 litres depending on the model. Water content of the vapour is controllable by a separate valve.

**Please Note:** PEL supplies both models with extra long hose 1.75m long. This allows the unit to stand on the floor and the operator can then work standing up and reach much higher.

<b>PRODUCT CODE:</b>	<b>891-75GV £731.50</b>	<b>891-75GV6 £785.50</b>
Power Supply	220/240 volt & 1400 watts	220/240 volt & 1400 watts
Steam Pressure	3-4 bar	4-5 bar
Hose Length	1.75 metre	1.75 metre
Max Temperature	130°C	130°C
Tank Size	3 litres	5 litres
Warm up time	20 minutes	20 minutes
Dimensions	320 x 180 x 300mm	370 x 220 x 310mm
Weight	8kg	13kg
<b>PRODUCT CODE:</b>	<b>891-75GV-110 £755.00</b>	<b>891-75GV6-110 £842.90</b>
Power Supply	110 volt	110 volt

Heated Aerosol Generator - Reco 100

**NEW** product



The Reco 100 heated Aerosol Generator is ideal for various conservation and restoration techniques where atomisation, humidification or non-contact application are required. The heated hose fitting contains a spiral heating element, allowing aerosol contents to be heated up to 43°C.

Capable of atomising aerosol particles from 0.5 to 6 µm. The atomisation chamber capacity is 625 ml however smaller quantities of 5-15 ml can be atomised out of a cone cup.

- Ideal for non-contact consolidation of powdery, cracked, or flaking media. The ultrasonic atomiser can turn a liquid adhesive into a mist of fine droplets. These droplets can penetrate insecure areas of paint to consolidate them without forming a shiny film on the surface.
- Humidification
- Cleaning & removal of water soluble glues and stains
- Deacidification of paper when used with an alkaline solution

- Available Separately:**
- 1200mm wheeled trolley
  - Spare heated hoses

PRODUCT CODE	DESC.	PRICE
207-1000	Aerosol Generator with Heated Hose	£2,499
207-1500	Trolley for Reco 100	£179
207-1900	Spare Heated Hose for Reco 100	£249

**Dust Bunny**

Dust Bunny Cloth is made from a high-tech microfilament fabric of the finest polyester and nylon microfilaments (finer than microfibers). These extremely fine fibers, packed in an extremely dense structure, are non-scratch, non-linting and trap the finest dust particles in it's superfine, yet dense structure. Excellent tensile and tear strength, non-fraying, 400% water absorption and 825% oil absorption by weight. These premium wipes are machine washable up to 100 times at 60 deg. C (wash separately / do not mix with cotton). Solvent-free, Binder-free and Reuseable makes these cloths your most sustainable solution.

PRODUCT CODE	DESCRIPTION	QTY	PRICE
947-1000/10	432 X 432mm	Pkg 10	£46.95
947-1000	432 X 432mm	Each	£4.95



**Kleenmaster® Brillianize®**

Kleenmaster® Brillianize® is an anti-static cleaner which does not attract dust and reduces scratching of plexiglas exhibit cases and display cases. Cleans and shines all types of plastics, glass, and any other hard, shiny, non-absorbent surface. Also helps resist finger marking. Non-toxic. Avoid freezing.

PRODUCT CODE	DESCRIPTION	PRICE
962-0008	8oz (236ml)	£8.20
962-0001	1 U.S. Gallon (3.78 Ltr)	£26.00
962-0032	32oz (946ml)	£18.95

**Sofkloth**

This soft cloth is produced by Kleenmaster who also make Brillianize and is ideal for cleaning and polishing using Brillianize. The Sofkloth we supply is the ultimate high quality, lint free, wood pulp free and polyester free, aerospace optical grade Rayon polishing cloth. Used on cameras, lenses, glass and acrylic display cases and fine art framing. Supplied 10 cloths in a zip lock bag.

PRODUCT CODE	DESCRIPTION	PRICE
962-0200	298 x 248mm Sofkloth	£5.95



**PEL Cloth™ Microfibre Cleaning**

Micro-fibre Cleaning without chemicals (just use water). Until recently it has not been possible to clean surfaces without the use of chemicals. Technology has changed this, with the PEL-Cloth you can clean either with or without water. Excellent results are achieved on all surfaces, without the need for cleaning agents and chemicals, and you protect yourself and the environment.

**The secret is in the fibres**

PEL-Cloths are manufactured from tiny ultra micro fibres. These micro fibres have such a good, natural cleaning action compared to normal fibres - breaking down, trapping and absorbing dirt particles so well, that only water is necessary as a solvent. Our cloths are made from polyester/polyamide ultra micro fibres, which contain no chemicals and give such a good cleaning effect that only water is needed as a solvent. The fibre mix gives the cloth enormous absorption. When used damp, the cloths clean all surfaces, especially glass, plastics, stainless steel, chrome, brass and wood. When used dry the cloths have a natural "positive" charge which attracts "negative" dust. If correctly maintained, in normal use, our products will last for several years and pay for themselves many times over.

**It is important to follow these instructions.**

**Using the PEL-Cloth... DRY** - The static effect when using the cloth dry gives it an extremely good accumulation ability for dust and micro particles. Drag the cloth lightly over the surface to be cleaned and the particles will stick to the cloth. Do not rub hard on plexi glass. Dirt in the cloth could scratch the surface.

**Using the PEL-Cloth... DAMP** - Wet thoroughly with pure water only, (no soap) completely wring out and fold, then wipe impurities from all dirty surfaces such as glass, mirrors, aluminium, stainless steel, plastics, treated and untreated woods, tiles, brass etc.

**Using the PEL-Cloth... WET** - Wet thoroughly with pure water only, (no soap) completely wring out and fold, then use as you would a wet sponge.

**Maintenance of the PEL-Cloth** - For the cloth to perform correctly, it is necessary to keep the cloth clean with regular washing. The cloth should be hot washed at 95°C. It can be machine washed at least 300 times. For small quantities you may choose to boil the cloths in a saucepan for 15 minutes. Use 1/3 of the normal dose of ordinary washing powder. Always wash the cloths separately from other items to avoid adding fluff to the cloth.

**N.B. Do not use fabric softener or bleach.** The fabric softener removes the static effect for dry use and bleach breaks down the micro fibres. Either tumble dry or hang dry. If too much washing powder is used, the fibres become blocked and the performance of the cloth is reduced. Wash the cloth a few times without any washing powder to remove excess soap.

PRODUCT CODE	DESCRIPTION	DIMENSIONS	PRICE
947-3232/5	standard	320mm x 320mm	£10.95 pack 5
947-3232/50	standard	320mm x 320mm	£89.00 pack 50
947-5040/5	glass	400mm x 400mm	£10.95 pack 5
947-5040/50	glass	400mm x 400mm	£89.00 pack 50



947-3232 Standard



947-5040 Glass

➤ **Smoke Sponges**

These dry cleaning sponges are made from vulcanised natural rubber. The sponge lifts away dust, dirt, soot and lint from any dry surface. The open cells absorb the soot into the sponge.

To clean the sponges you can wash them in cold water with a little soap. Let them air dry well before reuse. Widely used for clean-up following fire damage, the cleaning applications for these versatile sponges continue to grow. They are a must for your "Disaster Plan Kit". **Price each.**



PRODUCT CODE	SIZE	WEIGHT	PRICE
961-1000	76 x 152 x 45mm	182g	£2.95
961-1002	76 x 152 x 22mm	91g	£1.95

➤ **Albertina Poultrice** (not shown)

This enzyme poultrice is a ready to use product for the removal of non-swell able starch based (amylase) adhesive. The kit contains two interleaving tissue papers, an amylase poultrice and moistening material. The kit comes complete with instructions. For correct and successful application of the Albertina Poultrice we recommend it is used by an experienced conservator.

PRODUCT CODE	DESCRIPTION	PRICE
986-1007	300 x 200mm	£41.95

➤ **Vulpex Soap**

Vulpex liquid soap is a safe cleaner for practically everything from paper to stone. Vulpex is non-acidic, non-foaming, non-corrosive, non-hazardous and germicidal making it ideal for a large variety of uses. Vulpex attacks and emulsifies dirt, fats, fatty oils, mineral oils, waxes and hydrocarbons with great speed and efficiency. The dirty emulsions are remarkably stable, thus easily disposable. Micro-fine cracks harbouring dirt are subject to a deep-cleansing action rarely achieved with normal commercial cleaners. Vulpex Liquid Soap is supplied as a dense concentrate and must be diluted before use. For normal aqueous cleaning, one part Vulpex to six or seven parts cold tap water (by volume) is sufficient. More water can be added if the soiling is light. As a spirit soap, one part Vulpex in ten to twenty parts solvent will be found effective.

PRODUCT CODE	SIZE	WEIGHT	PRICE
638-0003	Vulpex Liquid Soap 1 Litre		£32.50



➤ **Pre-lim Surface Cleaner**

A gentle abrasive paste for non-scratch cleaning of metals and many sensitive fine art surfaces. Pre-lim is widely used in the professional restoration of arms, armour, sculpture, brass, copper exhibition cookware, ceramics and other conservation methods.

To ensure cleaned surfaces especially metals remain clean and bright, protect them with Renaissance wax polish for a long lasting and visually enhancing finish. We recommend a discreet test is done to ensure that Pre-lim is suitable for your specific project.



PRODUCT CODE	SIZE	PRICE
638-0030	200ml	£8.45

➤ **Absorene**

Paper and book cleaner, Absorene is a unique approach to cleaning prints, maps, books, manuscripts, paintings and tapestries. This dry cleaner works like an eraser. Simply wipe the surface in one direction. Absorbs dirt, dust or smoke film from most papers while it cleans. Easy to use instructions included. Absorene is the original dry cleaner that works like an eraser by drawing dust and dirt from surfaces.



PRODUCT CODE	WEIGHT	PRICE
001-1500	Absorene 15 oz. (425 grams)	£5.85

➤ **Bees Wax & Shellac Wax**

Shellac wax is used in the production of wooden varnishes, polishing milk, and also for special paints and as a release agent. Shellac wax is a dark brown hard wax sold in flakes.

Our unbleached yellow bees wax is provided in small pellets. Our unbleached beeswax can be used in furniture preservation or mixed with other wax types to use as a polish.



PRODUCT CODE	DESC.	PRICE
782-4375	Shellac Wax Yellow 200g Each	£15.75
782-4373	Bees Wax Yellow 250 gm	£11.00

➤ **Renaissance Wax**

All Purpose Cleaner/Polish

The finest cleaner/polish wax available, specified by museums, art galleries and conservators throughout the world. It will gently lift the grime of antiquity and murky deposits of other polishes, leaving surfaces delightful to see and touch. Renaissance Wax may be used on any solid surface including wood, metal, marble/onyx, shell, stone, ivory, plastics, leather and even paper. Its translucency allows unlimited applications and polish never stains or discolours. The hardness of the matured wax coating gives excellent protection against normal spillages, finger marks, etc. The special seamless aluminum 200ml. container insures wax will remain in perfect condition long after other polishes hardened and become useless.

**Price each.**



PRODUCT CODE	SIZE	PRICE
638-0065	65ml	£6.50
638-0001	200ml	£9.95
638-0025	3 litre	£50.10

➤ **One-wipe dust cloth**

Specially treated pure-cotton flannel cloth attracts and holds dust, yet won't leave a residue. Won't scatter dust. May be laundered up to 20 times without losing its effectiveness.



PRODUCT CODE	DESCRIPTION	PRICE
881-116	One-Wipe Dust Cloth Pkg 6	£28.25

➤ **Dry Cleaning Sponge**

Alternative to Latex sponges to which some people are allergic, use just the same as smoke sponges. Use dry as you would a pencil eraser. Can be used on fabrics where solvent or wet cleaning is not desired or possible.



The PEL dry cleaning sponge will effectively remove soot, dust and smoke damage from wallpaper, painted metal and wood, fabrics and other surfaces. Conservators use them for dry cleaning of books and paper, particularly for dust and dry mould.

PRODUCT CODE	DESCRIPTION	PRICE
961-1702	Small 150 x 75 x 20	£1.95
961-1700	Large 150 x 75 x 40	£2.95

➤ **Coarse Eraser Bar**

This coarse eraser bar will even remove ink, used for cleaning stains, varnish and stubborn surface dirt.



Use with **caution** it can remove the surface of items, make a discreet test to ensure it is suitable for the project.

Works the same as suede leather cleaner.

PRODUCT CODE	DESCRIPTION	PRICE
782-2519	38 x 50 x 19mm	£2.95 ea.
782-2520	38 x 50 x 19mm	£23.60 10pk

➤ **Groom Stick**

Dry clean your documents with remarkable efficiency with this natural rubber, kneadable "molecular" trap. Neutral pH Groom/Stick positively picks up and carries away a wide array of foreign matter. Graphite, carbon, charcoal, chalk, crayon, dry powder colours, mould, dust, dirt and grease are just a few of the many substances that are cleanly lifted off the surface and held within the "molecular trap." Unlike most erasers, Groom/Stick will not abrade, smudge, crumble, or produce clinging debris. Also use to remove the oil from hands and fingers before tackling sensitive jobs. Permanently tacky and completely reusable. **Price each.**



PRODUCT CODE	DESCRIPTION	PRICE
638-0002	100gms	£7.95

➤ **Foam Eraser**

Smooth touch foam eraser suitable for even the thinnest of papers. Paper Conservators are also grinding these erasers down into small particles to make draft cleaning powder.

The new Foam formula provides great clean erasing power with minimal pressure. Eraser dust sticks together making clean up easy. PVC Free. Price pack 10 erasers



PRODUCT CODE	SIZE	PACK	PRICE
961-7000	60 x 23 x 5mm	Pkg 10	£8.95

➤ **Crepe Rubber Eraser**

This product is the best material for picking up the adhesive left behind when removing pressure sensitive tapes (a must for paper conservators). It can also be used for easily removing excess rubber cement and other adhesives. Simply cut into shape for getting into those small areas. Price each.



PRODUCT CODE	SIZE (MM)	PRICE
682-2030	50 x 50 x 10	£2.15

➤ **Battery Eraser**

This is one of our best selling products. Battery operated electric eraser which weighs only 68 grams (including the batteries). It's an indispensable tool for anyone involved in book repair and paper conservation. The soft non-abrasive vinyl eraser cleans pencil marks without damage to your papers. Unit includes 2 "AAA" batteries, 10 white vinyl erasers (for pencil marks) and 2 spare eraser chucks.



PRODUCT CODE	DESCRIPTION	PRICE
642-2000	battery eraser	£37.50
642-500	pack of 70 white eraser refills	£4.99

➤ **Rub Gum Eraser**

This unique formula eraser doubles as a nonabrasive eraser and a dry-cleaner. Using gentle pressure, a fine deep-cleaning powder is produced which will absorb and remove dirt, graphite, etc., from both mat board and drawing paper. Extra large size - 2" x 1" x 7/8". Price per dozen.



PRODUCT CODE	SIZE	WT	PRICE
479-211	51 x 25 x 22mm	409gms	£3.95

➤ **PEL Document Cleaning Powder**

PEL Document Cleaning Powder is manufactured to a high conservation standard set by years of experience in conservation supplies. The consistent white colour and particle size is designed and specially produced for sensitive cleaning of surface dirt and dust from historical paper.

The soft powder lifts and absorbs the dirt, you will notice it working by the colour change as the dirt is absorbed. Once the area is clean simply brush the residue away. Comes in a container 180mm high x 70mm diameter with fine sprinkle holes, pouring slot and removable top.



PRODUCT CODE	WEIGHT	PRICE
782-4000	150g	£5.95

➤ **Sponge Eraser**

This foam sponge can be cut into small pieces and shapes for effective, economical use. Dampen with clean water and rub gently against the surface to be cleaned. Remember this is an eraser (not a sponge). The water is essential to the cleaning action as it helps the eraser to stick to the surface. The sponge weighs 2 grams and it is as light as a feather.

Wash under a running tap (do not squeeze) and let it dry out ready for the next time. As is customary with professional conservators a discreet test is advised to ensure the sponge is suitable for the project. If the sponge eraser is used without water we recommend using a dust mask for protection.

**Price per pack of 5 sponges.**



PRODUCT CODE	APPROX. SIZE	WEIGHT	PRICE
961-3000	110 x 70 x 40mm	10g	£4.75

**Akapad® Classic Sponge and Akawipe Powder**

PEL is the UK appointed distributor for Akachemie Products. This dry cleaning system has proven its reliability for over 20 years by conservators who use Wishab for a number of specific cleaning problems. Akapad is available as a dry sponge in powder-form and as a spray powder. The usage depends on the type and sensitivity of the artwork being cleaned.

**Akapad Sponge** is used to carry out convenient and safe dry cleaning of surfaces on paper, walls, ceilings, pictures, frescos, mural paintings, wallpaper, tapestries, textiles and other surfaces. The sponge consists of a blue handle with the yellow cleaning layer moulded into it, this layer restores itself constantly due to the crumb formation process. The soft sponge is used for sensitive surfaces, the hard sponge for less sensitive base surfaces and the extra hard sponge for non-sensitive surfaces such as stone. The surfaces to be cleaned must be absolutely dry.

**Akawipe Powder** has been specially developed for dry cleaning of paper documents, it can also be used on other items. Simply spread the powder over the surface of the object to be cleaned. Rub the powder over the surface by hand using cotton wool or wearing our cotton gloves. For tougher applications the powder can be used with soft felt disks on rotating tools. Caution must prevail with any cleaning method and we advise this is done by a professional conservator. Akapad soft powder is used for sensitive surfaces such as paper and textiles, the hard powder for less sensitive surfaces such as sturdy heavy papers, wood etc. The surfaces to be cleaned must be absolutely dry and not powdery.

**Akapad Spray Powder** is a special development for dry cleaning using the spraying method. The spray powder method is used to penetrate in depressions and hollow spaces where access is difficult, such as masonry (Sandstone), sculptures or objects that have extremely rough surfaces. When using the spray method, the correct adjustment of the air pressure is very important, however the air pressure is easy to determine by conducting trials. Recovery of the sprayed-on material is possible since the powder can be used several times (10 times or more). Akapad spray powder is coarse, (particle size approximately 0.5-1.5mm) the sprayer piping and nozzle must have large diameters. Nozzle size 5-10mm diameter with air volume of 1000 litres/minute, working pressure of 5-10 bar with a distance of about 0.5-1 metre.



PRODUCT CODE	DESCRIPTION	QTY	PRICE
782-4101	soft sponge	each	£4.35
782-4101/30	soft sponge	30	£117.45
782-4121	hard sponge	each	£5.30
782-4121/30	hard sponge	30	£143.10
782-4141	extra hard sponge	each	£6.25
782-4141/30	extra hard sponge	30	£168.75
782-4143	Ultra hard sponge	each	£6.25
782-4143/30	Ultra hard sponge	30	£168.75
782-4301	soft powder	500g	£13.70
782-4301/8	soft powder	4kg	£94.30
782-4321	Hard powder	500g	£7.90
782-4261	Extra fine spray powder	5kg	£129.00

**Akapad® White Sponge**

The Akapad White Sponge has been designed for the cleaning of sensitive surfaces. the composition of the Akapad White Sponge has been especially formulated to provide excellent results regarding ageing properties of the cleaned surfaces, of works of art on paper.



PRODUCT CODE	DESCRIPTION	QTY	PRICE
782-4151	white hard sponge	Each	£6.70
782-4151/30	white hard sponge	pkg 30	£179.00
782-4152	Flexible White Sponge	Each	£7.05
782-4152/30	Flexible White Sponge	Pkg 30	£188.00
782-4153	White Soft Sponge	Each	£6.70
782-4153/30	White Soft Sponge	Pkg 30	£179.00

**Document Cleaning**

**Document Cleaning Pads** are recommended for cleaning dusty, dirty, or mouldy paper items. These pads contain a soft, grit-free powder that absorbs and cleans surface dirt from paper. Size 125 x 40 x 40mm.

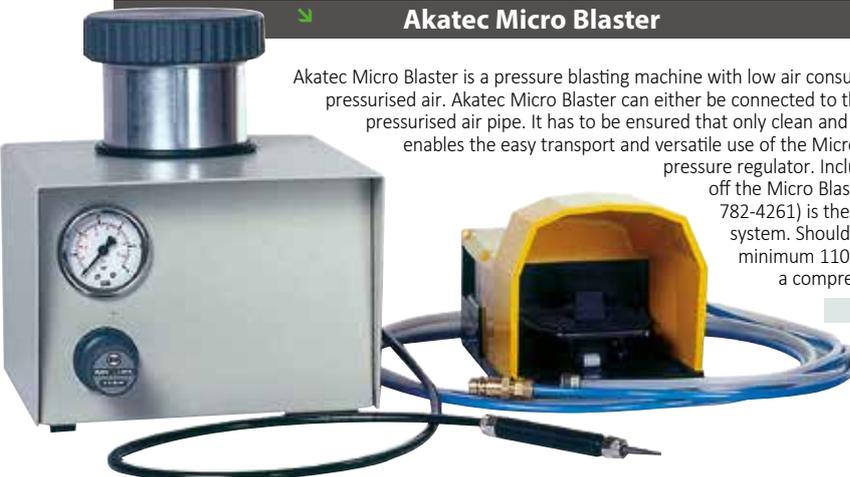


**PEL document cleaning powder** lifts and absorbs dirt and dust from paper. Once the area is clean simply brush the residue away. **Price each.**

PRODUCT CODE	SIZE	WT	PRICE
782-1004	One cleaning pad	90g	£2.95
782-1000	Cleaning Powder	2lbs (0.9kg)	£9.95

**Akatec Micro Blaster**

Akatec Micro Blaster is a pressure blasting machine with low air consumption for precise spraying. There is no need for any other source of energy but pressurised air. Akatec Micro Blaster can either be connected to the pressurised air system of a spraying cabinet or can be connected to any other pressurised air pipe. It has to be ensured that only clean and dry air is filled into the Micro Blaster. The small dimension and the low weight enables the easy transport and versatile use of the Micro Blaster. The spraying pressure of Akatec Micro Blaster is steered by an adjustable pressure regulator. Included is a pressure release valve cuts off the air stream immediately after switching off the Micro Blaster. Unwanted spraying is avoided. The Akablast extra fine powder (product code 782-4261) is the most suitable for the Micro Blaster. You will require air pressure to operate the system. Should you not already have compressed air available we recommend a compressor with a minimum 110 litres per minute. We will be pleased to quote should you have difficulty in obtaining a compressor.



<b>PRODUCT CODE:</b>	<b>782-5120</b>	<b>£1080.75</b>
Container content	0.7 litres	
L x W x H (mm)	240 x 200 x 340	
Working pressure	Maximum 6 bar	
Air consumption	110 l/min with 1.8mm nozzle	
Weight	5.8kg (without pedal)	
Precautionary measures	Protection glasses/mask	
<b>PRODUCT CODE:</b>	<b>782-4261</b>	<b>£107.90</b>
Powder	5kg Akablast Extra fine	



### Plastic Syringes

For both manual and pneumatic usage. The kit contains one 6cc and one 35cc syringe and 5 tips, which are also available in packs of 10 tips of a style/size. These dispensing syringes are ideal for small or large applications of adhesives, pastes, resins and many other materials. The barrels are translucent for visibility of material level, all the components are chemical resistant.

PRODUCT CODE	DESCRIPTION	STYLE	PACK QTY	PRICE
870-1000	complete kit			£15.95
870-1001	0.160mm	blunt tip	pack of 10	£19.40
870-1002	0.254mm	blunt tip	pack of 10	£8.15
870-1003	0.137mm	flex tip	pack of 10	£28.95
870-1004	0.033mm	flex tip	pack of 10	£34.60
870-1006	0.041mm	max. flow	pack of 10	£8.15

### PEL Conservators Sponge™

The closed-cell structure of our conservator's sponge is hydrophilic and can be used for various conservation procedures such as:

- Wet repairs to remove residual water, as the repair tissue does not attach to the sponge.
- Small disasters – absorbs a large amount of water rapidly.
- Painting and artwork conservators use the sponge with solvents to clean and remove varnish.
- In paper repair - when leafcasting to remove excess water without lifting off the pulp repair.
- Can also be used in conjunction with draft cleaning powder.
- No doubt conservators will find other uses for the Conservators Sponge™.

The sponge can be shaped to suit the requirements of the project. By allowing the sponge to dry out, it becomes harder and can be cut to the desired shape with a sharp knife. Immersion in water for a few minutes softens the sponge so that it is ready to use again.



PRODUCT CODE	DESCRIPTION		PRICE
961-2000	Conservators Sponge (2 Pk)	73mm x 48mm x 35mm	£3.38

### Foam Covered Cotton Swabs

Foam head moulded around a cotton bud core on a long handle, these are best used where the cotton linting causes a problem. The polyurethane foam encapsulates the cotton bud and makes a high absorbing swab.

PRODUCT CODE	DESCRIPTION	PRICE
870-7006	pack of 50	£17.95

### Cotton Swabs

These swabs derive their high absorbency from the wrapped 100% cotton bud. The long wood handle makes them ideal for cleaning delicate items, absorbing and applying various solutions.

PRODUCT CODE	DESCRIPTION	PRICE
870-7005	pack of 200	£7.95

ONE-TOUCH  
STANDARD PUMP



PURE TOUCH PUMP

### Solvent Dispensers

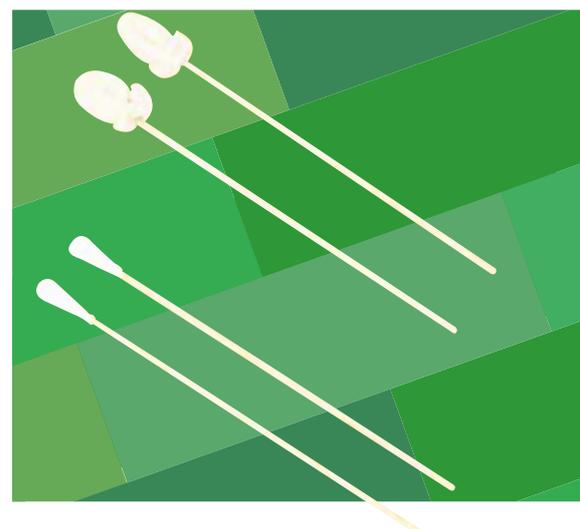
These top quality solvent dispensers are an economical and convenient means of complying with COSHH and Health & Safety regulations. The pump/seal mechanism ensures that the contents are not contaminated by the dispensed solvent dripping back into the bottle. Designed to ensure the minimum evaporation of dangerous solvent fumes. A precision valve keeps the solvent sealed from the atmosphere. Depressing the dish-dispenser delivers a measured dose for use with a swab, yet keeps the bottle contents sealed should the bottle be knocked over.

### Pure Touch

Protects against cross-contamination by preventing fluid, once pumped into the stainless steel dish, from returning into the dispenser, all-the-while, reducing fumes, odour and evaporation.

PRODUCT CODE	DESCRIPTION	PRICE
984-0612	120ml Bottle	£10.60
984-0150	180ml Bottle	£10.97
984-0200	240ml Bottle	£11.35

PRODUCT CODE	DESCRIPTION	PRICE
984-3512	120ml Bottle	£11.95
984-3514	180ml Bottle	£11.95



➤ **Orvus WA Paste**

This exceptionally gentle detergent is recommended for cleaning many fine textiles (except silk). Orvus WA Paste is a synthetic anionic detergent with a neutral pH which will remove most common dirt and stains. Readily soluble in both hot and cold water, this product can be used as a wetting, emulsifying, dispersing and sudsing agent.



PRODUCT CODE	DESCRIPTION	PRICE
963-1000	454g (1lb)	£5.75
963-1075	3.4kg (7.5lb)	£32.70

➤ **Leather Preservative/Restorer**

Pel Leather Preserver/Restorer is a unique product which has been thoroughly tested and proven to give outstanding results on fine leather bindings. Easily applied rich cream penetrates deeply into leather to produce a scuff resistant surface with a rich patina to rejuvenate, restore and preserve. A compound of animal and other nondrying oils, it contains no flammable or volatile components. Chemically neutral with defensive buffers to guard against external pollutants. Pel leather restorer will not leave an oily or sticky finish on books. **Price each.**



PRODUCT CODE	SIZE	PRICE
532-0875	225g	£22.50

➤ **Leather Care**

**NEW** product

**Leather Rejuvenator** - This is a heavy duty leather conditioner for extremely dry or water damaged leather. It was originally developed for museums to treat excavated leather artefacts and/or leather artefacts retrieved from water. Formulated for extreme cases of damaged leather. It is ideally suited for extremely stiff leather or leather that is showing signs of deterioration. In many cases, old dried leather can be returned to its original condition. Leather Rejuvenator is not just a leather conditioner, but a blend of polymers and copolymers that form a flexible interweaving substructure that adds strength and imparts softness to the leather. It is also formulated to help prevent further deterioration.

**Leather Cleaner** - is an effective but gentle surface cleaner for leather. Can be used on all types of leather that is in good condition including aniline leather. Perfect for automobile seats, furniture and leather that cannot be soaked or washed with the stronger Leather Detergent wash. Easy to use – no mixing involved and it will not discolour the leather. Just dampen a clean, soft rag and gently wipe the surface of the leather. It is recommended to follow up with Leather Saver after using this cleaner to condition your leather items. Note: Do not use on suede

**Restoration Leather Conditioner** - is designed to soften fragile and difficult to penetrate leather and can be used in situations where you should not use a leather conditioner that contains water (moisture can promote further deterioration). It also works well for conditioning leather after being washed. This product is very popular for treating leather book covers (it will not harm the stitching). Perfect for conditioning tooled or embossed leather, as it will not swell the leather. Restoration Leather Conditioner contains a solvent with no sulphur content. Many low grade petroleum solvents contain sulphur which can destroy stitching.

**Leather Detergent** - A leather detergent specifically developed for washing leather articles that are oil soaked or extremely dirty. Excellent for removing old leather conditioners and wax build up. Leather Detergent contains special softening agents to prevent the leather from drying stiff. The leather can be either wetted with the detergent pure strength and washed off or it can be mixed with water and the leather can be soaked directly in the solution. We recommend a discreet test is done to ensure that Leather Detergent is suitable for your specific project.

**Leather Saver** - is a highly rated leather conditioner used to restore dry, stiff leather to its original condition. Leather Saver is an excellent choice to condition and treat both new and older leather that is in good condition. Ideally suited for leather that has not begun to deteriorate. Leather Saver will form a bond with the leather fibres, preventing it from washing out or migrating in the leather. Made from the finest oils available, it will not leave the leather dark, heavy or oily feeling. This leather conditioner does not contain sulphur which can cause premature deterioration to the leather and stitching.



PRODUCT CODE	DESCRIPTION	PRICE
993-0500	Rejuvenator 237ml	£13.75
993-0400	Cleaner 237ml	£7.95
993-0800	Restoration Conditioner 237ml	£10.95
993-0300	Detergent 237ml	£8.95
993-0700	Saver - 8oz bottle 237ml	£7.95
993-0773	Saver - 3.785L bottle 237ml	£54.50

➤ **Klucel G**

Klucel G is a leather consolidant that comes in powder form. When mixed with denatured or isopropyl alcohol, it forms a gel which is used to treat leather that is starting to deteriorate from red rot or leather that is becoming powdery. Klucel G leaves a permanent flexible webbing throughout the leather. Used in leather conservation, treating and repairing book bindings and leather in works of art.

It is recommended to use the Restoration Leather Conditioner after treating leather with Klucel G. This is a conditioner especially formulated for treating fragile leather. Please note PEL Klucel G does not come with alcohol and is considerably cheaper than purchasing ready mixed and much safer to ship.



PRODUCT CODE	SIZE	PRICE
993-0200	Klucel G 200g	£14.95
993-0275	Klucel G 1 kilo	£62.50

➤ **Cellugel**

This effective consolidant for deteriorating powdery leather was developed by professional book conservators. Cellugel is essentially a mixture of hydroxypropylcellulose and isopropanol. Cellulose ethers have been used by book and paper conservators for years for the purpose of sizing paper and consolidating deteriorated leather.

When applied to powdery leather (leather with red-rot), Cellugel is absorbed throughout the entire thickness of the leather and dries within minutes. After it is dry, the dust no longer comes off the leather. Cellugel does not darken, discolour nor leave a film on the surface of the leather.



PRODUCT CODE	SIZE	PRICE
993-0116	Cellugel Leather Consolidant	£24.85



➤ **Weight Bags from PEL**

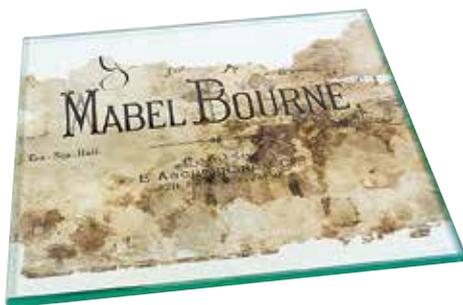
PEL weight bags are a much improved product designed and researched by PEL with added features:

- Loose washable/replaceable calico bag covers using Velcro to secure the internal weight bag.
- Internal waterproof weight bag can be used without the loose calico cover. Ideal when weighing down wet repairs.
- When the weight bag becomes soiled/dirty simply wash the cover or replace with a new one. The filling is galvanized steel balls that are double sealed inside polyethylene tubing and finally covered with a calico bag.
- They have the feel of a heavy beanbag being soft and weighty giving surface protection while holding down curling charts, maps, posters and prints.
- Paper Conservators are using them to hold down papers during Conservation especially when digitising and camera work. No doubt other uses will be found for the PEL weight bags.

PRODUCT CODE	APPROX SIZE	APPROX WT	PRICE
969-0022	55mm x 80mm	200g (0.5lb)	£6.60
969-0044	55mm x 160mm	400g (1lb)	£7.60
969-0088	55mm x 260mm	800g (2lb)	£9.60

**SPARE OUTER LOOSE CALICO COVERS WITH VELCRO FASTENING**

969-0020	55mm x 80mm	£2.45
969-0040	55mm x 160mm	£2.75
969-0080	65mm x 260mm	£2.95



➤ **Glass Weights**

Made from laminated safety 6.4mm glass. Paper Conservators find these weights useful during conservation repairs and paper infill. The edges are polished smooth protecting the user and paper under the extremely flat even surface. The weights can also be used on charts that have been rolled to hold down curled edges, allows research with full visibility. No doubt other uses will be found for these glass weights, please let us know how you use them.

PRODUCT CODE	SIZE	WEIGHT	PRICE
426-3030	300 x 300 x 6.4mm	1.33kg	£17.95

➤ **Snake Weights**

Weighted fabric snake weights allow the pages of books to be held open for display and research. The snakes can be used to hold down curled charts and single sheets of paper. Can be used with our Norfolk Sofa, Book Pillows & Book Cradles. Available in 3 lengths in pairs for small, medium and large books.

PRODUCT CODE	LENGTH	APPROX WT	PRICE
426-7500	500mm	190g Each	£7.95 per pair
426-7510	1000mm	400g Each	£11.95 per pair
426-7515	1500mm	600g Each	£15.95 per pair

➤ **Book Deodoriser**

Book deodoriser can be used to treat books, papers, clothing or other inanimate objects, it will remove, cigarette smoke, mildew odors, and general mustiness. Book Deodoriser is made from treated granules which absorb moisture & odors. The granules are an inert and highly absorbent material, they are all natural and non-toxic.

**Directions**

Put a layer of granules in an airtight plastic container and seal the book up for at least 2 weeks. The length of time depends on the harshness of the odor. The granules last for about 6 months or more, depending on how much you use them.



PRODUCT CODE	DESCRIPTION	PRICE
147-1600	Book Deodoriser 500 grams	£8.95

➤ **Conservation Work Trays**

Quality, heavy weight, high impact polyethylene plastic trays for a variety of conservation uses. Excellent for bleaching or de-acidification by immersion. These flat trays are solid white, seamless, and possess a corrosion resistant surface. The 2 smaller sizes (1418 & 2024) have a handy pouring corner that is useful for reuse of chemical solutions. Resistant to all photo-chemicals.



Measurements shown are external top size

PRODUCT CODE	APPROX. OVERALL SIZE	TOP EXT. SIZE	PRICE
618-1418	14.5" x 18" x 2.75" deep	454 x 372 x 89mm	£15.95
618-2024	20" x 24" x 3" deep	610 x 508 x 89mm	£31.65
618-2428	24" x 28" x 3" deep	712 x 610 x 89mm	£51.65
618-2833	28" x 33" x 4" deep	826 x 705 x 108mm	£76.70
618-3240	47" x 37" x 4" deep	1200 x 946 x 108mm	£129.00



➤ **Glass Weights**

These glass paper weights have been recommended to PEL by a leading paper conservator who uses them on wet repairs. Other advantages are that they are less expensive, clear and are of good quality.

**Price per pack of 4.**

PRODUCT CODE	DESCRIPTION	THICKNESS	WT	PRICE
426-0090	90mm dia.	20mm	254g	£14.95
426-0070	70mm dia.	20mm	155g	£13.25



Highest quality stainless steel spatulas manufactured to meet the finest conservation standards.

**NEW** we have introduced Teflon (PTFE) coated spatulas, ideal for use with adhesives (see below)

**Small Spatula**

The ideal tool for lifting or slitting paper, applying paste to small areas and numerous other tasks. Metal: one end tapered and one end rounded. Flexible, springy ends. Overall length 210mm.



617-003 Small Spatula Each £3.65



**NEW** product

936-401 Small Spatula Teflon Coated Each £4.65

**Heavy Duty Spatula**

Our heavy duty stainless steel spatula proves to be an indispensable tool in book repair and conservation work. You'll find a number of uses for this 178mm tool including paste or adhesive application, corner lifting or burnishing (when applying repair tissue or tape). One end is smoothly tapered while the other is a 38mm flat spade tip. A handy tool you won't want to be without.



936-0028 Heavy Duty Spatula Each £3.95



**NEW** product

936-373 Heavy Duty Spatula Teflon Coated Each £4.95

**Spatula Minarette**

Extra fine steel retouching tool used in both objects and paper conservation treatments. The minarette is small, light and flexible enough to allow conservators to move small flakes of paint, push tiny fills or adhesive into small places, consolidate pigments, manipulate fine fibres and mix very small amounts of paint for in painting. Available with a Teflon(PTFE) coating.



092-2221 Spatula Minarette Each £5.50



**NEW** product

936-922 Spatula Minarette Teflon Coated Each £6.50

High Accuracy Balance

NEW product

These precision weighing/counting balances are Ni-Cad battery powered and are ideal for multiple applications in simple weighing or parts counting.

- 4 selectable units: Kg, g, lb, oz
- Impact-resistant ABS case with stainless steel pan, adjustable feet and level bubble
- 60mm 3 Line LCD display with backlight for total weight, piece weight and piece count

Weighing

- Auto-backlight when an item is placed on the weighing pan
- Tare function can be repeated throughout a weighing cycle
- Plus/minus weighing for check weighing applications
- Zero function and stability indicator

Counting Function

- Lack of sample indicator when the sample amount is too low for accurate counting
- Lack of piece weight when the sample unit weight is not heavy enough for accurate operation
- Numerical keypad for count setting by quantity or unit weight
- Parts counting with freely selectable reference quantity of sample pieces
- Accumulation function for adding parts counting results, weighing results, total accumulated weight and number of counts
- Memory function to store and total readings (up to 99 counts)
- Audible alarm when exceeding preset upper and lower quantity limits

Power

- Battery charge condition indicator
- Supplied with internal rechargeable battery mains lead
- Optional Calibration Certificate available separately



Supplied with full instructions, protective cover, rechargeable battery and AC/DC adaptor.

Model	807-4003	807-4006	807-4015	807-4030
Capacity	3Kg	6Kg	15Kg	30Kg
Resolution	0.1g	0.5g	1g	1g
Accuracy	±0.2g	±1g	±2g	±2g
Min Pcs Wt	1g	5g	10g	10g
Pan Size	280 x 180mm all models			
Power	Internal recharging battery mains lead all models			
Dimensions	300 x 260 x 112mm (unit), 280 x 180mm (pan) all models			
Weight	3.2Kg with rechargeable battery all models			

PRODUCT CODE		PRICE
807-4003	Scales Parts Counting 3Kg	£135.00
807-4006	Scales Parts Counting 6Kg	£135.00
807-4015	Scales Parts Counting 15Kg	£135.00
807-4030	Scales Parts Counting 30kg	£135.00

High Precision Weighing Scales

NEW product

This hi-precision weighing scale is housed in an impact-resistant ABS plastic case with a stainless steel weighing pan, a permanently attached hinged plastic draft shield, levelling bubble and adjustable feet.

It is an easy to use, precise scale with a three key operation and can be either battery or mains powered via an AC/DC adaptor (available separately, see recommended tab below). The scale is ideal for weighing objects where precision is crucial at low capacities, such as weighing jewellery, precious metals, chemicals, etc.

- 3 decimal places - 0.001g precision
- Weighs in g, ct, oz, dwt, ozt, gn & mg
- 52mmØ stainless steel weighing pan
- Impact-resistance ABS case with adjustable non-slip rubber feet and a bulls eye level bubble
- Large 21mm LCD display with backlight
- Automatic backlight when weight is added to the pan
- Auto zero tracking ensures stable and repeatable readings
- Stability indicator
- Simple three key operation
- Plus/minus weighing
- Overload warning display
- Low battery indication
- Auto power off – can be user disabled for continuous use
- Auto backlight – can be user disabled
- Supplied with batteries, adaptor, M2-50g weight and black plastic case

Capacity	60g
Power	6 x AAA alkaline batteries (LR-3-6) or AC/DC mains power adaptor (supplied)
Resolution	0.001g
Dimensions	155 x 112 x 85mm, 52mmØ (pan)
Accuracy	±0.0003g
Weight	370Kg



PRODUCT CODE		PRICE
807-0001	Hi-Precision Weighing Scale	£140.00
807-600CAL	Calibration Certificate	£65.00

**Portable electronic weighing scales** NEW product

An overload protection facility is incorporated to protect the load cell from being damaged. Tare facility is featured which is effective over the full range, allowing the user to place a container on the scales, press Tare and then weigh only the contents placed in the container. A hi-frequency sonic beep is sounded when the target weight is achieved. A switch selection enables the scales to be changed from grams to ounces measuring range as required.

- Weighs in g or lbs.oz
- 150mmØ weighing pan with optional bowl and base recess to fit pan
- Membrane keypad
- Non-slip rubber feet
- 17mm LCD display with large digits and function indicators
- Tare facility can be actioned several times throughout a weighing cycle
- Plus/minus weighing
- User programmable check weighing with pre-warning alarm at 80% of target and a different tone
- Alarm as weight achieves or exceeds the pre-set value
- Overload protection to 25% capacity with visual indication of "EEEE" on the display
- Low battery indication
- Auto power off after 2 minutes of no activity
- Requires 1 x 9V PP3 alkaline battery or AC/DC power adaptor (see 807-7000)

Capacity: 2 kilo	Resolution: 1 gram/0.1oz
Accuracy: +/- 3g /0.2oz	
Dimensions: 210x150x40mm Pan 150mm diameter	



PRODUCT CODE		PRICE
807-3002	Digital Weighing Scales	£37.50
807-7000	AC/DC Mains Power Adaptor	£12.95
807-600CAL	Calibration Certificate	£65.00

**300g Precision Balance** NEW product

A precision weighing balance housed in an impact resistant ABS case with stainless steel weighing pan, draft shield, splash proof membrane keypad, levelling bubble and adjustable feet. The balance can be either mains or battery powered for portability.

- Weight in g, lb, oz, ct
- Splash-proof membrane keypad incorporating 5 function keys
- 115cm Ø stainless steel weighing pan
- Protective drip tray
- 26mm high contrast backlit LCD display
- The tare facility over the full range can be actioned several times throughout a weighing cycle
- Zero tracking ensures stable and repeatable readings
- Parts counting from 10, 20, 50, 100, 150, 200, 250 or 500 sample pieces
- Plus/minus weighing
- Overload protection to 100% over capacity
- Error indication
- Auto power off after 30 minutes & low battery indication (when used with battery)
- User calibration checks with OIML Class F1 200g calibration weight (required separately, see 807-310F/1)
- Optional AC/DC mains power adaptor (available separately, see 807-7000)
- Supplied with draft shield, battery & user guide



Range: 0 to 300g	Resolution: 0.01g
Accuracy: ±0.01g Min pcs wt: 0.01g	
Dimensions: 255 x 200 x 70mm (unit), 175 x 155 x 87mm (shield)	



PRODUCT CODE		PRICE
807-310	300g Precision Balance	£106.50
807-7000	AC/DC Mains Power Adaptor	£12.95
807-310F/1	F1 200g Calibration Weight	£55.65

**High Precision Balance** NEW product

This precision weighing balance is housed in an impact-resistant ABS case with a 115mm stainless steel weighing pan, splash-proof membrane keypad, levelling bubble and adjustable feet. The balance can be either battery or mains powered via an AC/DC Adaptor (available separately, see 'Recommended' tab below).

- 2 decimal places - 0.01g
- Weighs in g, oz, ct & tola
- Impact-resistant ABS case with adjustable feet
- Splash-proof membrane keypad incorporating 3 function keys
- 115mmØ stainless steel weighing pan
- 26mm hi-contrast LCD display with backlight
- Automatic backlight when weight is placed on the pan
- Zero tracking ensures stable and repeatable readings
- Tare facility over the full range
- Overload protection to 100% over capacity
- Low Battery indication
- Auto Power Off after 3 minutes of no activity - can be user disabled
- Supplied with batteries
- 2 year warranty

Capacity	600g
Power	4 x 1.5V AA alkaline batteries (ALR-6-4) or AC/DC mains power adaptor 807-7000
Resolution	0.01g
Dimensions	230 x 180 x 60mm (unit) 115mmØ (pan)
Accuracy	±0.02g Weight 1.5Kg

PRODUCT CODE		PRICE
807-2600	High Precision Balance	£100.00
807-7000	AC/DC Mains Power Adaptor	£12.95
807-600CAL	Calibration Certificate	£65.00

Traceable Calibration +£60.00 (issued at 5 Points) 100g, 200g, 300g, 400g & 500g - Additional Points +£10.00



➤ Digital PH Meter

**NEW** product

This hand held pH meter features a large easy to read, LCD display that indicates pH over the range of -2 to 16 pH with a resolution of 0.01 pH, mV over the range of -1000 to 1000 mV and temperature over the range of -39.9 to 149.9 °C with a resolution of 0.1 °C. The LCD display features both low battery indication and backlighting.

This pH meter offers automatic temperature compensation (ATC) via the temperature probe supplied (pH readings can also be taken manually without ATC). When connected the secondary display will show the actual temperature, which is the value used for the ATC. If disconnected, the secondary display reverts to a manually adjustable temperature compensation value.

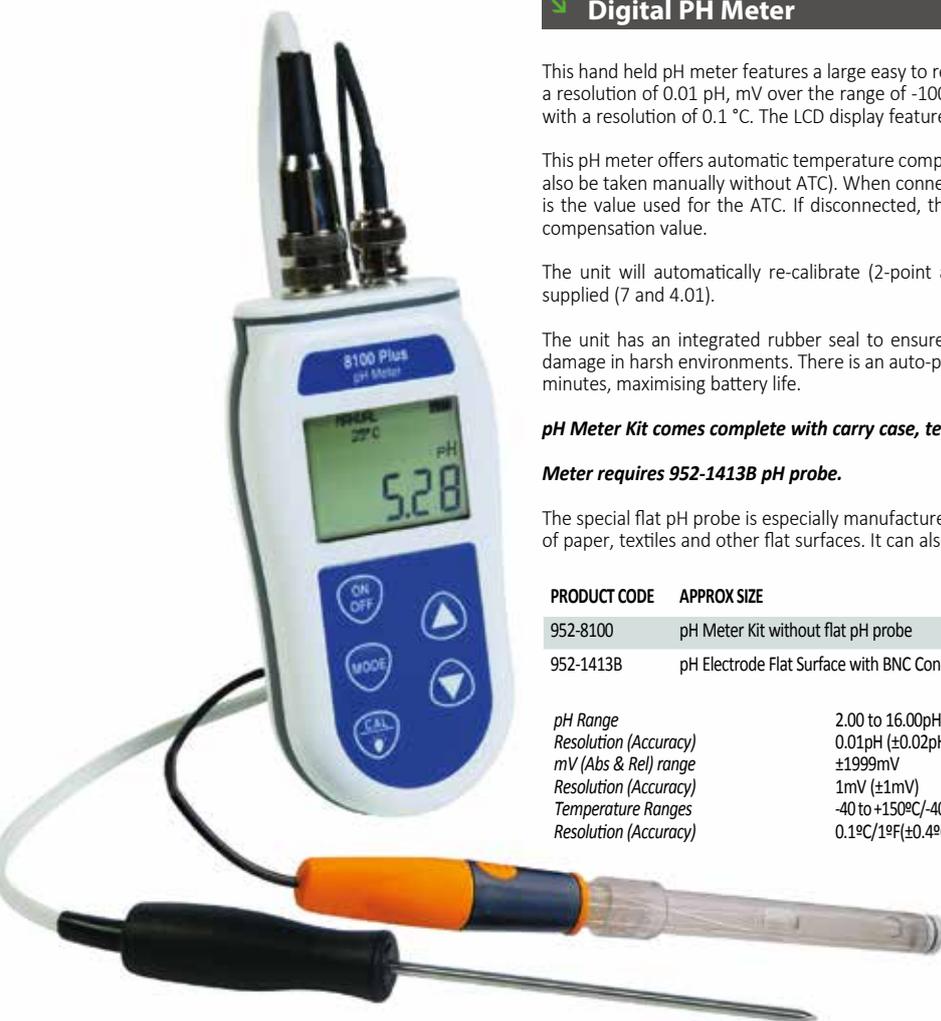
The unit will automatically re-calibrate (2-point autocal) itself when used in conjunction with pH buffer solutions supplied (7 and 4.01).

The unit has an integrated rubber seal to ensure complete water resistance and helps to reduce the possibility of damage in harsh environments. There is an auto-power off facility that automatically turns the instrument off after ten minutes, maximising battery life.

**pH Meter Kit comes complete with carry case, temperature probe and buffer solutions (7 and 4.01).**

**Meter requires 952-1413B pH probe.**

The special flat pH probe is especially manufactured for PEL to a high standard. It is designed for the pH measurement of paper, textiles and other flat surfaces. It can also be used for liquids.



PRODUCT CODE	APPROX SIZE	APPROX WT	PRICE
952-8100	pH Meter Kit without flat pH probe	Each	£105.50
952-1413B	pH Electrode Flat Surface with BNC Connector	Each	£99.50

<i>pH Range</i>	2.00 to 16.00pH	<i>ATC Range</i>	0 to 100°C
<i>Resolution (Accuracy)</i>	0.01pH (±0.02pH)	<i>Calibration</i>	User Selectable 1 or 2 point
<i>mV (Abs &amp; Rel) range</i>	±1999mV	<i>Power</i>	3 AAA Cells (included)
<i>Resolution (Accuracy)</i>	1mV (±1mV)	<i>Battery Life</i>	500 hours typical (@25°C with alkaline cells)
<i>Temperature Ranges</i>	-40 to +150°C/-40 to 302°F	<i>Size</i>	141(l) x 71(w) x 32 (d) mm
<i>Resolution (Accuracy)</i>	0.1°C/1°F(±0.4°C/±1°F)	<i>Weight</i>	230g

➤ pH Indicator Strips



Non-bleeding pH indicator strips are easy to use. For surface pH on paper and textiles, use deionised water. In contrast to conventional indicator papers, the indicator dyes of the pH strips are chemically bonded to cellulose fibres. As a result, the possibility of colour bleeding, even in strongly basic solutions, is avoided. Measurement of pH values is possible even in unbuffered or very weakly buffered solutions, since the strips can be left in the solution until the final colour change is completed. Colours of the individual colour fields cannot run into each other. This allows a more precise comparison with the colour scale, the special dyes guarantee a sharp differentiation between the individual pH values.

**Price per box of 100 strips**

PRODUCT CODE	PH RANGE	WT	PRICE
539-2500	0-14	45g	£15.95
539-2501	4.0-7.0	45g	£15.95
539-2502	2.0-9.0	45g	£15.95
539-2503	5.0-10	45g	£15.95

➤ Iron Gall Ink Test Paper

This test paper has been developed by the Conservation Research Department at the Netherlands Institute for Cultural Heritage/Instituut Collectie Nederland (ICN), in the context of their extensive research into iron gall ink corrosion. Preservation Equipment Ltd is proud to be asked to exclusively market the test paper on behalf of the ICN.

This non-bleeding iron test paper has been developed as a simple and quick method to detect iron (II) ions in hydrophilic substrates. These ions are harmful to organic substrates, such as paper, because they catalyse the oxidative degradation of cellulose and other organic materials. The test paper is non-bleeding, therefore it can be applied to originals. The test paper has been extensively tested in paper conservation. In general a positive reaction of the iron (II) test is a distinct identification of the presence of an iron-gall ink. However, it has to be realised that other inks and colourants, e.g. bistre, may be iron based or contaminated with iron. Iron (II) ions are water soluble and will migrate into a dampened test paper in contact with the ink. The indicator (bathophenanthroline) forms an intensely red-coloured complex with iron (ii) ions. Instructions are provided with the test papers. *Further information can be obtained by contacting: Netherlands Institute for Cultural Heritage, Conservation Research Department.*

**Price for 100 strips**



PRODUCT CODE	WT	PRICE
539-3000	75mm x 10mm	£19.85

➤ Lineco's pH Testing Pen

With a simple swipe of Lineco's pH Testing Pen, you can determine whether the paper and board you are using is acidic. This easy, convenient method allows you to distinguish the difference between safe (neutral or alkaline) paper and board and acidic materials. Easy to use; simply draw a small line on the material you wish to test. The Chlorophenol red indicator solution in the pen will turn purple on any paper with a pH of 6.8 and above. A clear or yellow colour indicates the material is probably unsuitable for conservation purposes. Please note: unreliable results may occur on coloured or coated papers.

**Price each.**

PRODUCT CODE	WT	PRICE
533-0023	40g	£4.40





**Cubelite Photography Lighting Kits**

PEL has been requested to supply the Cubelite for the cataloguing of works of art and photography during conservation. This system will allow you to take professional looking subject shots time after time with no unsightly shadows or reflections. By placing the item to be photographed inside the Cubelite many of the typical lighting difficulties experienced by non professional photographers are automatically taken care of.

The operation of the Cubelite is simple. Working with a constant light source it requires no additional "flash" from the camera. This makes composing and taking consistent photographs much easier as what you see is what you actually get. The Cubelite also comes with a removal front panel. This can be attached if the subject matter is highly reflective such as glass. The subject is completely isolated from the surroundings with only a small zip opening for the camera lens. This ensures photographs with no unsightly reflections.

- The 2ft, 3ft & 4ft kits include: 1 x Cubelite, 1 x Stand, 1 x Tungsten Light, 1 x 500w Bulb, 1 x Silver/White Reflector, 1 x Carry Case.
- The 5ft & 6ft 6" kits include: 1 x Cubelite, 4 x Stands, 4 x Tungsten Lights, 4 x 500w Bulbs, 1 x Roll of White Background Paper.

The removable back and base on the 3ft kit allows you to photograph a section of a much larger product that will not fit inside the Cubelite such as long subjects. The removable back also allows you to photograph fragments and retain the original background, useful for archaeological digs.

PRODUCT CODE / DESCRIPTION	PRICE
511-3611 2ft Cubelite Kit	£264.00
511-3601 3ft Cubelite Kit	£305.00
511-3612 3ft Cubelite Kit (Removable Back & Base)	£332.00
511-3613 4ft Cubelite Kit	£327.00
511-3615 5ft x 5ft x 7ft Cubelite Kit	£880.00
511-3614 6ft 6" x 6ft 6" x 7ft Cubelite Kit	£980.00
511-9550 Tungsten Light, Bulb & Stand Kit	£110.00
511-9350 Tungsten Bulb 500 watt	£9.00

**Photo Scale Set**

**NEW** product

Photo Scale reference cards for indicating the size of a photographed object.

Non-reflective set of 3 plastic scales - 5cm, 10cm, 20cm. Ideal for archaeology, blog photography and many more instances where a reference for the size of an object is important.



PRODUCT CODE	PRICE
145-3000 Photo Scale Set Set 3	£7.00



UV Lantern with Torch

This small very portable UV 4 watt lamp is useful when travelling. Ideal for security code identification and UV inspection of a small illumination area. Includes foldaway stand, 1 x 4 watt, 6 inch blacklight blue tube with a white light torch. The aluminium reflector ensures maximum UV light output. Batteries included.

<b>PRODUCT CODE</b>	<b>946-5050</b>	<b>£9.60</b>
Power Supply	4 x AA batteries	
Power Consumption	4 watt	
Dimensions	160 x 55 x 25mm	
Weight	120g + Batteries	
<b>946-5054 SPARE UV TUBE 4 WATT</b>	<b>£6.40</b>	



**NEW** product

Ultra Violet LED Torch - 380 nm

The 8 LED Ultraviolet blacklight torch is compact and small enough to fit in your pocket with a multitude of uses.

Ideal for security code identification and UV inspection of a small illumination area. Will also detect faded inks, forgeries and previous repairs to ceramics. Fungi, mould and mildew micro-organisms appear luminescent under UV Light. On/off button at the end of the torch.

- UV wavelength 380nm.
- The 8 LED UV torch is powered by 3 x AAA batteries which are included in the price.
- Dimensions: length 95mm, diameter 28mm
- Weight: 102 grams.

PRODUCT CODE	DESCRIPTION	PRICE
946-0080	UV Blacklight Torch 8 LED	£4.95



UV Woods Lamp

**NEW** product

UV inspection lamp with magnifying lens, commonly known as a Wood's lamp.

Ideal for the detection of repairs in oil paintings, cracks in porcelain and ceramics, paper infill repairs, mildew damage, and textile repairs.

- Wide 50 x 100mm optical lens with 1.75 X magnification (3 diopetre) to see every detail
- Comes with 4 x 4W black-light UV tubes to examine areas clearly
- Flicker-free technology, to avoid headaches and work in comfort for longer Ergonomic handgrip for comfort and easy-to-access ON/Off switch
- Removable wraparound black cloth included to create dark environment and enhance image of UV light target area for examination
- Lightweight and easy-to-use, comes with a 2 year minimum guarantee

PRODUCT CODE	DESCRIPTION	PRICE
511-3340	UV Inspection Lamp - Woods Lamp	£89.90



Ultra Violet LED Torch - 390 nm

The 9 LED Ultraviolet Torch is a compact and attractive design and small enough to fit in your pocket. Ideal for security code identification and UV inspection of a small illumination area. Will also detect faded inks, forgeries and previous repairs to ceramics. Fungi, mold and mildew microorganisms appear luminescent under UV Light. UV wavelength 390nm.

The 9 LED UV torch is powered by 3 x AAA batteries which are included in the price.

Dimensions: length 105mm, diameter 32mm and weighs just 67 grams. On/off button at the end of the torch.

PRODUCT CODE	DESCRIPTION	PRICE
946-0161	UV Torch 9 LED	£8.95



**Ultraviolet Safety Spectacles**

PEL are now supplying a fully CE marked ultraviolet safety-wear. The cover spectacles are lightweight, comfortable and unobtrusive design which is specially produced by the leading European eye safety wear manufacturer. Guaranteed to completely block ultraviolet radiation below 400nm and conforms to international requirements for ultraviolet protection.

PRODUCT CODE	DESCRIPTION	PRICE
946-0400	UV safety spectacles	£4.75



**UV Security Marker Pen**

This pen is designed for marking security codes, catalogue numbers and postcodes on valuable property, providing an effective form of hidden identification. The mark will be permanent and invisible, the revealing blue ink is exposed under UV blacklight.

PRODUCT CODE	DESCRIPTION	PRICE
946-5007	UV Security Marker Pen	£0.99



**Ultra Violet LED Torch - 365 nm**

This 365nm LED UV torch is superbly engineered and provides a very high level of performance. Using a 1 watt Ultra Violet LED chip incorporating a smooth efficient reflector, this gives up to 20 hours of light from one AA battery. Constructed of tough aluminium to give a reliable and long service life. This is a powerful UV torch; we suggest reading the warning label on the product before use. Ultra Violet light has various usages such as reading faded inks, detecting previous repairs under paintings, adhesive curing, forgery detection, detecting some bacteria's and stains. No doubt other usages for this 1 watt UV torch will be found in conservation. Supplied boxed with 1xAA Alkaline battery and wrist lanyard.

PRODUCT CODE	DESCRIPTION	PRICE
946-0566	UV Torch	£39.95

**Ultra Violet Work Lamp - 15 LED** **NEW** product

This high intensity UV Lamp provides a large illuminated area which enables conservators to reveal evidence of imperfections and previous restoration and repair to works of art. Ideal for examination of paintings, paper, books and ceramics, exposing issues which are not easily visible in normal lighting. Other applications include detection of forgeries, mould, and enhancement of difficult-to-read print on paper and parchment.

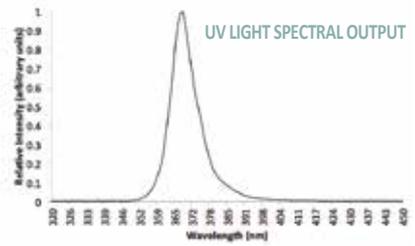


Blackout conditions are not required due to the excellent brightness of indications against a large background. Ideal for examination of larger items, the lamp can be used at a distance of up to 1 metre from the subject. This high intensity UV blacklight reveals evidence which can be difficult to determine using medium or low intensity UV lighting.

The UV flood lamp unit is compact and lightweight. Constructed in aluminium to provide robustness and durability. It is simple to operate and can be used hand-held with pistol handle. Mount upon an angle poise bracket to allow hands-free examination (brackets and handles sold separately).



Operates at peak 365nm wavelength, the most appropriate wavelength for general conservation examination purposes. The equipment is CE approved and is supplied complete with comprehensive operating instructions detailing safe operation in accordance with Health and Safety guidelines. Supplied with the maximum permissible UV light exposure times for unprotected skin and eyes.



PRODUCT CODE	DESCRIPTION	PRICE
946-5015	UV 15 LED Flood Lamp	£998.00
946-5020	Pistol Handle for 946-5015	£98.00
946-5030	Angle Poise Bracket for 946-5015	£150.00

*Light Source:* 15 x 365nm LED chips  
*Working distance:* Up to 1 metre (with supplied 100° flood lens)  
*Power:* 100-250V / 50-60Hz  
*Lamp Unit Size:* 173mmW x 138mmH x 119mmD

**Ultra Violet Strip Lamps - 5 or 10 LED** **NEW** product

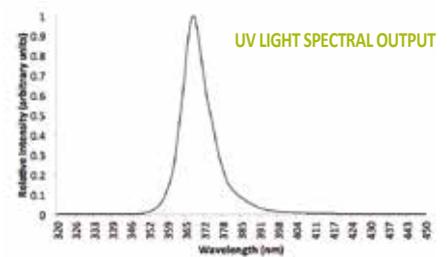
High UV output strip lamps for examination of objects to highlight imperfections, cracks, repairs, faded inks, security markings and more.



A choice of 5 or 10 LED lamps with a 100° lens for close inspection of objects. Your choice of; desk mounted bracket for hands-free working, or bridge handle for portable illumination (bracket and handle sold separately). Sturdy aluminium case.



<i>Light Source:</i> 5 or 10 365nm LED chips (2W per chip)
<i>Working distance:</i> Up to 1 metre (with supplied 100° flood lens)
<i>Power:</i> 100-250V / 50-60Hz
<i>Lamp Unit Size:</i> 5 LED - 152.5mmW x 100mmH x 46mmD
10 LED - 302.5mmW x 100mmH x 46mmD



PRODUCT CODE	DESCRIPTION	PRICE
946-5005	UV 5 LED Strip Unit	£498.00
946-5010	UV 10 LED Strip Unit	£665.00
946-5055	Bridge Handle For 946-5005	£24.00
946-5060	Bridge Handle For 946-5010	£24.00
946-5030	Angle Poise Bracket for Strip Light	£150.00



## UV Light

It is recognised that a major cause of damage to museum works of art can be light, with the most damaging being the UV content. To enable curators and conservators to monitor these levels we offer a proven range of instruments. These meters measure proportion of UV present ( $\mu\text{W/Lumen}$ ), the total amount of UV ( $\mu\text{W/M}^2$ ) and the amount of visible light present (Lux). The amount of UV should be as little as possible and in general should not exceed  $20\mu\text{W/M}^2$  or  $75\mu\text{W/Lumen}$ . Normal museum light levels should be limited to 150-250 Lux. Once measurements have been observed action can be taken, light levels altered, if necessary UV filters fitted to display cases, windows and fluorescent tubes.

### Environmental Monitor

(RH Temp UV & LUX). This single instrument measures humidity (RH) Temperature ( $^{\circ}\text{C}$ ,  $^{\circ}\text{F}$ ) Ultra Violet (UV) and Visible Light (LUX).

The appropriate button is pushed depending on the measurement required and the reading taken. The metre automatically turns off 10 seconds after the last reading unless a button is held down for over 5 seconds, this allows continuous monitoring until another button is pressed. The large 8 line display enables an easy to use menu system to select the more advanced functions. Data Logging functions enable over 10,000 readings of all four parameters to be automatically taken at selectable intervals (every 10 seconds to 1 hour). The saved data is transferred to a computer by a USB connector.

Software is provided to save the logged data in a CSV format that can be accessed and displayed by many applications (e.g. Microsoft Excel). Maximum and minimum values and their time measurement are displayed for each parameter. A calibration kit is available for user calibration of the RH sensor using saturated salt solutions.

PRODUCT CODE	DESCRIPTION	PRICE
684-765	Environmental Meter for Temp., RH, UV, and Lux	£574.00
684-765C	Environmental Monitor with Data Logging	£694.00
684-7657	RH Test Kit for 684-765 Environmental Monitor	£90.00

Visible wavelength:	400-700nm	Visible power:	0.1-200,000 Lux
UV wavelength:	300-400nm	UV power:	2-50,000 $\mu\text{W/M}^2$
UV proportion:	0-10,000 $\mu\text{W/Lumen}$	RH Range:	0-100%
Display Resolution LUX:	0.1 up to 100 then 1. footcandles: 0.1 up to 100 then 1. UV: 0.1 up to 100 then 1. proportion of UV 1 $\mu\text{W/Lumen}$ .		
Temperature:	0.1 $^{\circ}\text{C}$ or $^{\circ}\text{F}$ . RH: 0.1%		
Accuracy:	Light & UV: 5% +/- 1 displayed digit. Temperature: +/- 0.5 $^{\circ}\text{C}$ (+/- 0.9 $^{\circ}\text{F}$ ). RH: +/-2.5% 0-90% otherwise +/-5%		
Data logging intervals:	10 sec (30 hours). 1 min (7.5 days). 10 mins (75 days). 1 hour (454 days)		
Data logging capacity:	10,900 readings of all 4 parameters		
Batteries:	Rechargeable NiMH		
Dimensions:	150 x 65 x 25mm (including probes)	Weight:	165g



### UV Light Monitor

Will measure UV present ( $\mu\text{M/Lumen}$ ) the total amount of UV ( $\mu\text{M/M}^2$ ) and the amount of visible light present (Lux or Foot-candles) similar to the 684-765 but without humidity and temperature sensors.

#### UV LIGHT MONITOR WITH DATA LOGGING

As 952-7650 with data logging facility for over 70,000 readings of 2 parameters, USB interface and windows software for download archiving and display.

PRODUCT CODE	DESCRIPTION	PRICE
952-7650	UV Light Meter 7650	£505.50
952-7650C	UV Light Monitor with data logging	£625.00

Visible wavelength range	400-700nm		
Visible power range	0.1 – 200,000 Lux (0.1 – 20,000 foot-candles)		
UV wavelength range	300-400nm		
UV power range	2-50,000 $\text{mW/M}^2$	UV proportion range	0-10,000 $\mu\text{W/Lumen}$
Display resolution	Lux: 0.1 to 100 then 1 Foot-candles: 0.1 up to 100 then 1 UV: 0.1 up to 100 then 1 Proportion of UV: 1 $\mu\text{W/Lumen}$		
Accuracy	Visible: 5% $\pm$ 1 displayed digit UV: 15% $\pm$ 1 displayed digit		
Angular response light & UV	Cosine	Batteries	2 x alkaline AA type
Dimensions	150 x 65 x 25mm	Weight	165g with batteries



➤ **Light Meter**

Truly professional lux meters which gives instant readings of light levels in Lux or Footcandles. Data hold function enables you to lock the reading in order to make notes. Min/Max memory allows you to leave the meter and record the minimum and maximum light levels and average recall (since power on). Low battery indicator and auto power off (30 minutes non-activity). The auto power off can be disabled to facilitate period monitoring.

The sensor is a silicon photodiode equipped with a colour correction filter incorporating a spectrum and cosine corrected lens connected to the instrument by a 1 metre coiled cable. Manual Range Selection, the low 40 and 400 Lux ranges are most suitable for low light levels in Museum Displays.

Data Logging software and USB cable are included with the meter. The logger must be connected to a computer via the USB cable to record data, no data is stored in the meter.

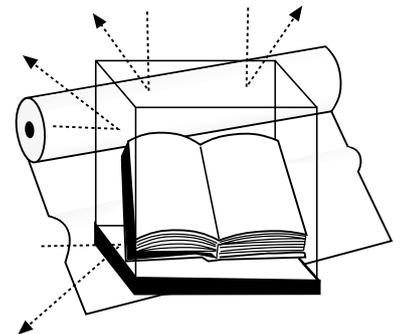


PRODUCT CODE	DESCRIPTION	PRICE
684-1308	Light Meter 40/400/4,000/40,000/400,000Lux	£70.00
684-1309	Light Meter with Data Logging 400/4,000/40,000/400,000 Lux	£90.00
805-107CAL	Traceable Calibration Certificate	£90.00

➤ **Ultraviolet Filter Polyester Film**

Safeguard your framed artwork, protect your displays, make your own clear cover binders and sheet protectors or use for lining your display cases and windows. Can easily be applied to surfaces with double-coated polyester tape. This processed polyester film has an impregnated UV inhibitor which absorbs light transmissions up to 400 nm and therefore screens or absorbs 97% of the ultraviolet spectrum. A strong, 50 micron, clear film that will last indefinitely. Resists mildew, rot, reagents, solvents and impregnants. **1524mm x 5M.**

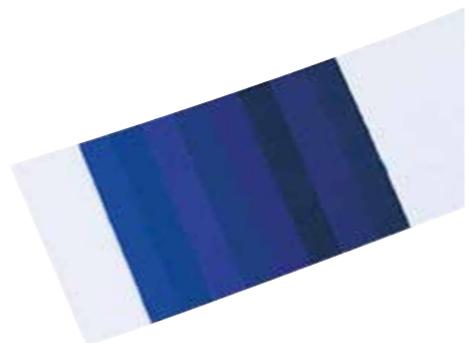
PRODUCT CODE	DESCRIPTION	PRICE
479-0005	UV Blocking Polyester Film - 5M Roll	£65.00



➤ **UV Fluorescent Light Filters**

Protect your displays and storage area from the fading, bleaching and deterioration caused by the ultraviolet light from fluorescent lighting. Our fluorescent bulb jackets have virtually the same light transmission in the visible light spectrum as ordinary window glass; however, they transmit practically none of the harmful ultraviolet light. Engineered to fit the standard 48-inch, fluorescent bulb, the 24-inch bulb requires only 1/2 of a unit and the 96-inch bulb will require 2 units. Easily installed over existing or new fluorescent bulbs, these jackets will last indefinitely. **Price per package of 10 units.**

PRODUCT CODE	WT	LENGTH	PRICE
413-T-10	0.64kg	1200mm	£49.50



➤ **Blue Scales (Textile Fading Cards)**

Test for effects of light on paintings, documents, and textiles with Blue Scales Fading Cards. Each card features pieces of wool cloth dyed with blue dyes of different degrees of fastness which are used as light fastness standards. They allow you to monitor the net exposure to light given to objects on display, and to alert conservators to adjust intensity of illumination. **Price each.**

PRODUCT CODE	WT	PRICE
986-1000	40g	£16.95



**Fibre Optic Light Sheet**

This product has been developed after extensive research and is a proprietary product of Preservation Equipment Ltd. The Fibre Optic Light Source provides a safe heat-free and UV-free bright light used for back illumination in bound books for research of water marks, repairs and photography. Paper and textile conservators will find the back lighting very useful as will other conservators who require a flexible, safe, cold, bright light for treatment or examination to a localised area of a specimen.

Since no electricity is connected to the actual light sheet or lead (only electric power is at the light source) the sheet is safe to work in damp situations. The very thin (1.8mm) light sheet is water resistant, but not waterproof and should not be immersed in water. The selector switch has 3 settings for high and low light intensity with an off position.

PRODUCT CODE	DESCRIPTION	PRICE
805-0051	110 voltage	£885.00
805-0052	220/240 voltage	£885.00

<i>Power Supply</i>	220/240 voltage
<i>Lamp</i>	12 volt 50 watt dichroic reflector lamp
<i>Dimensions</i>	Light Sheet 280 x 210 x 1.8mm Sheet Lead 525mm long
<i>Weights</i>	Sheet and Lead 250g Lightsource 4.5kg

**Ultra-thin Flexible Lightsheet**

**NEW** product

This super-thin flexible light sheet is less than 1mm thick, emits no UV radiation and negligible heat even when used for hours or days at a time. The unit provides an even light over the whole surface - over 2000 lux with no dark spots, and hardy enough to be worked over, perfect for many conservation related tasks. Use them to view watermarks in books or backlight pages for in situ repairs without damaging the spine. Ideal for viewing photo negatives, backlighting and illuminating damaged areas of paintings or textiles. Thin and flexible, they can be rolled to fit inside hard-to-reach areas such as vintage clothing sleeves or other three-dimensional objects. Being so lightweight and portable allows several conservators within an institution to share a light source and use the light panel in their own workspace, no need to transport fragile objects to a shared light table. They can also be used for long-term exhibition and informational signage lighting. Adjustable light level using dial. Complete with inverter unit and mains plug. Other sizes, including special bespoke sizes, are available, please contact us for more details.

PRODUCT CODE	OVERALL SHEET SIZE	ILLUMINATED AREA	PRICE
015-1620	406 x 508mm (16" x 20")	379 x 203mm	£443.00
015-2424	610 x 610mm (24" x 24")	583 x 583mm	£495.00
015-2436	610 x 915mm (24" x 36")	573 x 878mm	£892.00



**Portable Light Viewers**

These portable viewers are a convenient size for desk or briefcase, batteries 'C' type or mains adaptor powered. Mains adaptor available separately.



PRODUCT CODE	SCREEN SIZE	OVERALL SIZE	PRICE
511-3021	245 x 145mm	310 x 220 x 54mm	£35.50
807-7000	Mains Adaptor - European and UK		£12.95

**Portable Light Box**

The output from this very low priced light sheet will surprise you with its brightness. An inexpensive alternative to our top of the range Fibre Optic Light Sheet. This backlight is used for watermark research, photography, paper and textile repairs, viewing transparencies and examination of specimens. The size of the light surface is 300mm x 200mm an ideal size to fit A4 paper. The light source will last about 20,000 hours (15-20 years with average use).

The power consumption is less than a 20 watt bulb, because of the type of fluorescent lamp used, it does not fade or get hot. It has a 12 volt input supplied by a mains 110 Volt and 230 Volt AC/DC adaptor.

The Light Sheet is mounted on four rubber feet so that it can rest firmly on a table. The Light Sheet without AC/DC adaptor weighs 870 grams.



PRODUCT CODE	DESC	PRICE
511-7000	Light Sheet with AC/DC Adaptor Light Surface 305 x 203mm	£107.00

LED Light Pad - A4 & A3

**NEW** product

**Super thin LED light pad in A4 and A3 sizes, fully dimmable.** Work for longer in comfort using the dimmable, colour corrected, high quality LED light source at a level which suits the project. Particularly useful in fragment repairs where a high intensity light can become over-powering after a length of time. Even light from edge to edge. Cool operation as LEDs generate little heat even when emitting a substantial amount of light.

Rigid construction, ideal for tracing work and a resilient surface for working over. These light boxes present an excellent, lightweight, light source for any conservator.

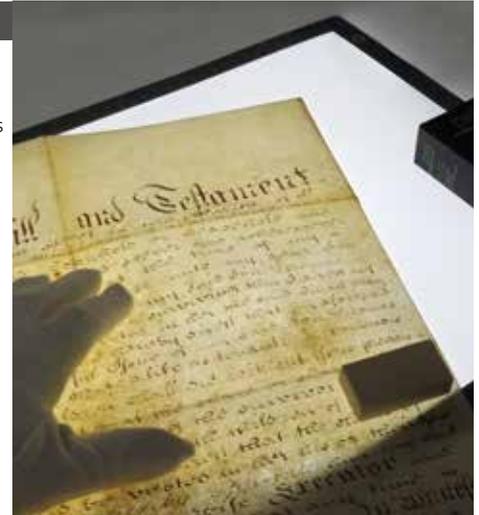
- Only 8mm (0.3") thick A4 version, 10mm A3 version
- Daylight light source provides true colour corrected light at 5,500-6500k
- High Quality LEDs
- Fully dimmable
- Cable length: 1.8m (6ft)

**Size: A3, 48cm x 36cm**

- Illuminated area: 44cm x 32 cm (17" x 12.5")
- Weight: 1.64kg (3.6lb)

**Size: A4, 36cm x 27cm**

- Illuminated area: 32cm x 23cm (12½" x 9")
- Weight: 0.92kg (2lb)



PRODUCT CODE	DESC	PRICE
511-3504	LED Light pad A4 270 x 360 x 8mm	£68.80
511-3503	LED Light pad A3 360 x 480 x 10mm	£96.50

StereoMaster Microscope

This budget priced long-arm stereo microscope with exceptional working clearance is ideal for conservation applications. The long working-distance allows its use with a variety of specimens, large and small.

The microscope features a rack and pinion focus system with an adjustable clutch which controls the tightness of the mechanism. The heavy stable base allows the microscope to be used comfortably at maximum extension of the arm.

The microscope has an excellent optical performance and the eyetubes have inter distance and independent focus adjustments. Widefield eyepieces are fitted as standard and with x1 and x2 objectives pairs gives the option of x10 and x20 magnification. The microscope has a built in led light source on a flexible arm. The LED light source produces very little heat making it ideal for long periods of use and constant adjustment.

**Field of view** 20mm (at x10 magnification)  
**Working distance** 230mm (at x10 magnification)  
**Dimensions** 390 x 130 x 390mm.  
**Weight** 6Kg approx



PRODUCT CODE	DESCRIPTION	PRICE
873-410	Stereo Microscope	£210.00



Binocular body & Universal Stand

Comes complete with: Trinocular body ~1:4 zoom ratio, pair widefield 10x eyepieces, pair eyeguards, focusing arm and stop collar and dust cover. Universal stand with 25mm diameter post. Without illumination, requires P873-1500 light source or other suitable illumination.

PRODUCT CODE:	873-2249
Price	£1025.00

Stereo Zoom Microscope System

Before choosing the Stereo Zoom Microscope, we discussed with conservators what they looked for in a microscope system. Our findings are that it should have flexibility with a quality optical system providing crisp, parfocal images plus a variety of illumination options and other accessories.

**The Zoom body** is available in binocular and trinocular versions with 45° inclined eyetubes and convenient side mounted continuous zoom controls. Fitted with a 1x objective lens as standard giving a total magnification of 6x to 50x with a working distance of 95mm. Optics provide un-reversed stereoscopic image with bright, crisp parfocal images throughout the zoom range. Widefield 10x eyepiece with eyecups as standard.

**Trinocular body** provides all the advanced features of the binocular body, but with the added facility of a camera port. The image can be made parfocal with the microscope image. Ideal for use with our digital eyepiece camera (873-4230) or a conventional camera.

**Universal Stand** incorporates a heavy duty base and sturdy vertical column. A long horizontal arm supports the zoom head, making the system ideal for viewing large specimens, it will rotate through 360°.

**Duplex Stand** features both transmitted and incident illumination. The incident lighting is a rheostat controlled halogen system (6V 15 watt) with a brightness control on the right hand side of the base, the light may be angled to suit the specimen. The transmitted lighting is provided by a fixed emission fluorescent strip light (6 watt) with an on/off switch on the front of the base. Black, white and frosted stage plates included.



Binocular body & Duplex Stand

This system provides ~1:4 zoom ratio, side zoom controls, twin dioptre and interpupillary adjustment. Pair of widefield 10x eyepieces, which accept 23mm diameter graticule. Pair eye guards, focusing arm with incident light (6 volt 15W) and stop collar. Transmitted light (10W). Ground glass stage plate, pair clips and dust cover.

PRODUCT CODE:	873-2220
Price	£829.50



Trinocular body & Universal Stand

Comes complete with: Trinocular body ~1:4 zoom ratio, pair widefield 10x eyepieces, camera port, pair eyeguards, focusing arm and stop collar and dust cover. Universal stand with 25mm diameter post. Without illumination, requires 873-1500 light source or other suitable illumination.

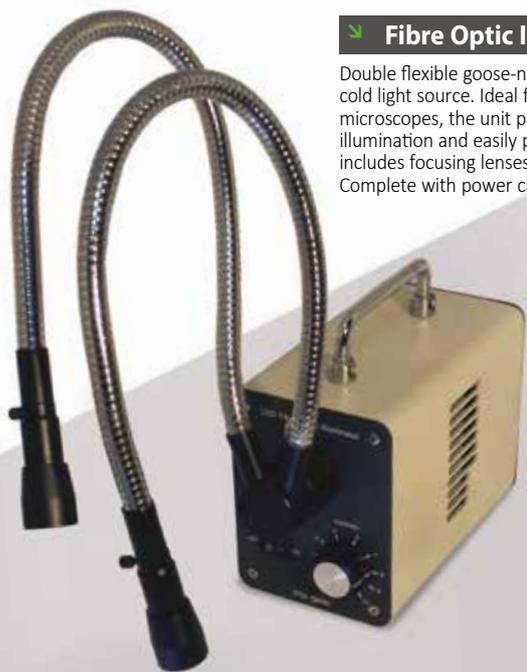
PRODUCT CODE:	873-3349
Price	£1400.00



Trinocular body & Duplex Stand

This system provides ~1:4 zoom ratio, side zoom controls, twin dioptre and interpupillary adjustment. Pair of widefield 10x eyepieces, which accept 23mm diameter graticule. Camera port, pair eye guards, focusing arm with incident light (6 volt 15W) and stop collar. Transmitted light (10W). Ground glass stage plate, pair clips and dust cover.

PRODUCT CODE:	873-3330
Price	£1110.00



Fibre Optic Illuminators

Double flexible goose-neck illuminator with adjustable cold light source. Ideal for use with our stereo zoom microscopes, the unit provides excellent double spot illumination and easily positioned light guides. The unit includes focusing lenses. Fully dimmable light source. Complete with power cable and AC adapter.

PRODUCT CODE	DESCRIPTION	PRICE
873-1500	Fibre Optic Illuminator	£425.00
873-1510	Spare Lamp 150W Halogen	£14.60



Microscope Caddy

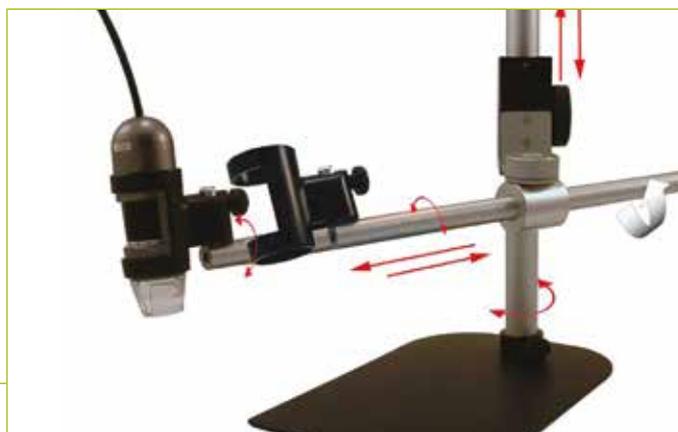
**Digital Microscopes with LED illumination & Stand**

Both of these digital microscopes feature USB connectivity and provide 1.3M pixel imaging with 8 built in white LEDs (which can be turned on/off in software) for illuminating the subject. Magnification is controlled using a thumb-wheel (no lens changes) and images can be taken using a microtouch sensor on the microscope if use of the computer mouse is not convenient. This product is excellent for sharing digital images with colleagues via email.

The **standard microscope kit (873-413T)** comes as a complete kit which includes; the microscope, clear plastic caddy stand (with three height settings for operation at different magnifications) and software. It is ideal for magnification of papers, paintings, textiles, small artefacts and fragments. This model provides 10x-70x & 200x magnification and uses the standard working distance optics (5cm - 0cm working distance dependant upon magnification setting).

The **long working distance microscope (873-413L)** offers a magnification range of 10x-90x and comes as a complete kit which includes the microscope, high quality adjustable stand (with boom arm) and software. This model provides 5-15cm of working distance (dependant upon magnification setting) giving plenty of room to work on the object while viewing, the stand has a focusing holder and provides a steady support.

*PEL are aware that there are similar looking microscopes at lower prices, they can offer poor image quality, be difficult to focus and may have extremely basic software. After extensive testing we believe our digital microscopes are the best in this class and are the only ones that we are happy to recommend for use in conservation.*



**Software (included)**

The supplied capture software for Windows (or Mac OS 10.4 and above) enables the user to capture still images, real-time video and time-lapsed video streams quickly and easily. Once a still image has been captured text and graphics can easily be added using the built in picture editing tools after which the image can be saved in a selection of resolutions, shared and emailed from within the capture user interface. The software also includes measurement features, once an image has been captured the user enters the magnification value, as read from the microscope dial, after which measurements such as length, angle and circle circumference can be taken and added to the image as text and graphics for future reference. The microscope can also be self-calibrated this feature allows the magnification value, as entered by the user, to be calibrated against a known measurement and increases the accuracy of the measurements taken. **For conservators requiring higher resolution 5M pixel models are available, contact customer service for details**



- Capturing photographs, videos or time-lapsed videos
- Saving pictures in several formats & advanced image processing
- Measurement options like: line, radius, circle, 3-point circle, angle, etc.
- Calibration & Measurements on captured images or on live images
- E-mail integration & Adding notes and markings on images
- Skype integration for on-line sharing with suppliers, customers or colleagues
- Connect multiple Dino-Lite microscopes
- Controlling lighting options from the software
- IP functionality for remote viewing of microscopic images
- Barcode/QR code recognition functionality
- GPS integration

PRODUCT CODE	DESCRIPTION	PRICE
873-413T	Digital Microscope Kit with Caddy	£289.05
873-413L	Long Working Distance Kit with Adjustable stand	£413.00

**Digital Eyepiece Camera**

The digital eyepiece camera can be used with either binocular or trinocular microscopes, slotting into the ocular (eyepiece) of a conventional microscope or the trinocular extension. It features a USB output and a resolution of 1280x1024 pixels (1.3 megapixels). Supplied with software. The camera is supplied in 23mm format which is the current fitment for PEL microscopes or 23/30/30.5mm format which will fit almost all modern microscopes. Please check the ocular on your microscope before ordering, you can do this by removing the eyepiece and measuring the internal diameter (ideally with some vernier callipers).



PRODUCT CODE	DESCRIPTION	PRICE
873-4230	Eyepiece Camera 23mm (PEL size)	£180.00
873-423X	Eyepiece Camera for 23, 30 and 30.5mm Ocular	£199.05

➤ **Rectangle Magnifier (Bausch & Lomb)**

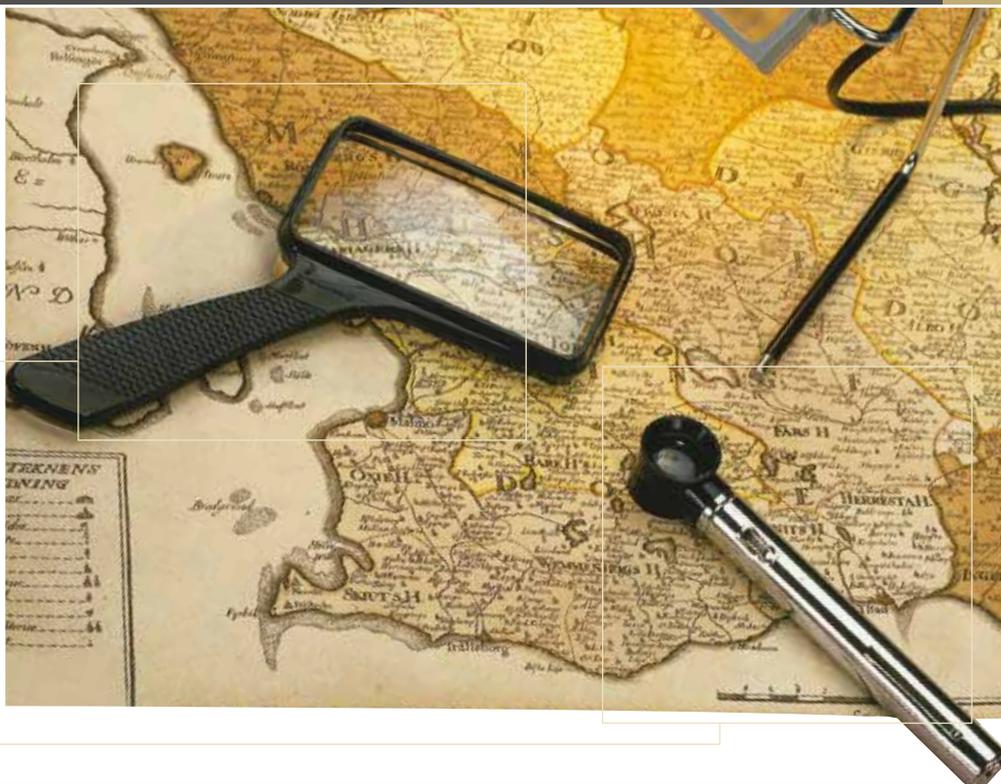
**Bausch & Lomb.** This Rectangular Magnifier is an efficiently shaped large area magnifier which effectively provides the viewing area of a 4" round magnifier; yet it is lighter and more compact. The 2" x 4" rectangular Bausch & Lomb lens is made of optical glass and is shaped to conform to normal reading patterns. The handle design and balance make it easy to hold, even for extended periods of use. **Price each.**

PRODUCT CODE	POWER	LENS SIZE	PRICE
610-N8850	2x	2" x 4" (50 x 103mm)	£21.65

➤ **Illuminating Coddington Magnifier**

**Bausch & Lomb.** A problem often encountered in using a high power magnifier is lack of sufficient light on the object. The Illuminating Coddington Magnifier eliminates this. A flashlight bulb is inserted into the groove of the Coddington lens and light is sent through the lens. In effect, the optical glass lens itself illuminates the object being examined. Uses two AA penlight batteries (not included). Lens size 0.8" x 19.8mm, focal distance 1" (25.4mm) **Price each.**

PRODUCT CODE	POWER	DIOPTR	PRICE
610-N8436	10x	40D	£39.55



➤ **Pocket Microscope**

The majority of conventional fountain pen type simplified microscopes lack optical precision and because of their dark images are not practical. Our company has continued research and development for a small size, high performance and durable microscope that could be easily carried in the pocket for use at all times. To focus the microscope; hold so that the notch at the tip of the acrylic cylinder of the microscope faces towards you, place the center of the object lens directly above the specimen and, while tilting the cylinder forward and backward with your eye on the eye-piece lens, fix the cylinder and observe at an angle which can give the sharpest image.



This pocket microscope has completely changed the concept of pocket microscopes which were previously more or less regarded as toys. It is a practical and convenient pocket microscope for the professional in paper and textiles with amazing results. Conservators find the microscope ideal for looking at fibres. The 25x and 50x unit weight is only 12 grams, the 100x weighs 16 grams, 12.4mm diameter, 127mm long. There are three models: one with 25x magnification and 3.3mm field of view, one with 50x magnification and 2mm field of view, one with 100x magnification and 0.84mm field of view.

PRODUCT CODE	DESCRIPTION	DIMENSION	PRICE
968-2001-025	25x Microscope	12.4ø x 127mm	£53.45
968-2001-050	50x Microscope	12.4ø x 127mm	£74.85
968-2001-100	100x Microscope	12.4ø x 127mm	£110.10

➤ **USB Inspection Camera**

USB inspection camera with a 5m cable. It is ideal for inspecting areas that are otherwise impossible or difficult to view, e.g. inside ceramics, cavities or voids in furniture, under or around large and immovable objects such as display cabinets.



**NEW** product

This easy to use camera connects directly to the computer or laptop via a USB port and takes its power from the same. There are 6 adjustable ultra bright LED lights to aid inspection of dark areas. Data capture facility for still images or video.

- Semi-rigid flexible probe can be pre-formed to access hard to reach places
- Waterproof to IP-67
- USB interface for direct connection to a PC or Laptop
- Powered via USB connection
- Light adjustment control for 6 ultra bright LED's
- Capture video images and stills which can be attached to emails or reports
- Supplied with software



PRODUCT CODE	DESCRIPTION	PRICE
873-0005	USB Inspection Camera	£39.95

➤ **Illuminated pocket microscope**

This inexpensive handy microscope with built in illumination designed to be used vertically concentrating the light onto the object. The 30x magnification with thumb wheel focus adjustment makes it ideal for viewing flat surfaces such as paper and textiles. Requires 2 x AA batteries. **Price each**

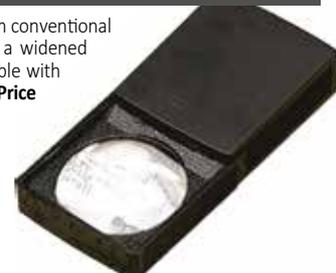
PRODUCT CODE	DESCRIPTION	PRICE
986-7520	Illuminated Pocket Microscope	£13.95



➤ **Aspheric Magnifier**

**Bausch & Lomb.** The 5X power aspheric lenses used in this magnifier differ from conventional lenses of the same power. They are especially made to provide users with a widened field of view and an undistorted edge-to-edge clarity and sharpness not possible with conventional lenses. Lens size 1.375" x 35mm. Focal Distance 2" (50mm). **Price each.**

PRODUCT CODE	POWER	DIOPTR	PRICE
610-N9126	5x	20D	£14.35



➤ **Coddington Magnifier**

**Bausch and Lomb.** In terms of performance, both the Coddington Magnifiers are second to none. Correction in the Coddington magnifiers is achieved through the use of a single thick lens with a central groove diaphragm. This provides for sharp, crisp images.

PRODUCT CODE	POWER	DIOPTR	LENS SIZE	FOCAL DISTANCE	PRICE
610-N8784P	10x	40D	19.8 mm	1" (25.4mm)	£7.95



Linin Tester

This convenient, fold away linen tester features a strong 7X single lens for superior inspection capabilities of all types of materials. Linen Tester has a 1" base and is constructed of black aluminum. **Price each.**

PRODUCT CODE		PRICE
886-1006	Folding Linen Tester	£22.25

8x Loupe

Specifically designed for viewing an entire 35mm slide or negative frame, this 8X loupe has a clear base for shadowless illumination.

PRODUCT CODE		PRICE
886-2018	8x Loupe	£48.80

8x Loupe Holder/Puncher Accessory

Also available convenient holder/puncher accessory for 886-2018 loupe. Attach the holder/puncher to the bottom of the loupe to check 35mm film and colour slides, then use the built in puncher to mark the negatives or slides you wish with a "V" shape cut to the film's perforation. **Price each.**



PRODUCT CODE		PRICE
886-2018WPH	Holder/Puncher	£16.75



10x Loupe

Two separate plastic lenses are built into this economical, yet efficient, all purpose magnifying loupe with 10X magnification.

PRODUCT CODE		WT	PRICE
886-2032	10x Loupe	18g	£9.95

Light Loupe

A 10x loupe with light source for inspection where illumination is insufficient. Magnification 10x. Batteries not supplied (requires 2 x R14C).



PRODUCT CODE	DIMENSIONS	WT	PRICE
886-1966	35 x 41 x 175mm	81g	£26.90

Binocular Magnifier - Optvisor

The precision binocular magnifier that leaves both hands free. Lightweight and comfortable in use designed for conservators who require to see minute detail clearly.

The high quality glass lenses are ground and polished to exacting standards. Three easily interchangeable lens plates with magnification from 2x to 3.5x are available and can be purchased separately. They can be worn over normal spectacles and tilt upwards when not in use. The binoculars come with 2x magnification lens. The 2.75 and 3.5 lens are purchased separately.

PRODUCT CODE	DESCRIPTION	WORKING DISTANCE	WT	PRICE
873-7744	2x Binoculars	10" (250mm)	142g	£45.75
873-7775	2.75x Lens only	6" (150mm)	35g	£32.40
873-7735	3.5x Lens only	4" (100mm)	35g	£32.95



Micro Film Viewer

A convenient handy viewer for reading aperture card, microfiche and X-ray film. Magnification 8x with a 24mm field of view.

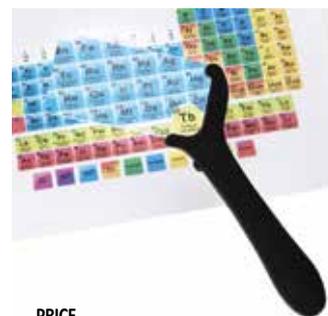
PRODUCT CODE		PRICE
886-2026	Micro Film Viewer Each	£69.95

Illuminated Bifocal Magnifier

**NEW** product

Bifocal Magnifying Glass with LED illumination.

- 50mm x 100mm large rimless wideview lens offering 2x magnification.
- Smaller 20mm inset bifocal lens offering 4x magnification.
- 120mm x 20mm x 20mm Vulcanised rubber grip with simple push button operation for illumination.



PRODUCT CODE	DESCRIPTION	PRICE
610-2424	Illuminated Bifocal Magnifier	£20.79

Large magnifying glass **NEW** product

Large magnifying glass with a 5" (125mm) diameter high clarity shatterproof lens (2x magnification). Perfectly-weighted with a contoured handle for maximum user comfort, it's an ideal magnifier for viewing larger areas with minimal hand movement, thereby helping to reduce eye fatigue over longer periods. The plastic lens also incorporates an inset bi-focal lens, which magnifies miniature detail up to 6x original size. This large hand-held magnifier is often used by museums or galleries looking for a dependable large magnifying glass with versatile magnification to help visitors view exhibits and displays.

PRODUCT CODE		PRICE
610-0045	Large Magnifying Glass	£16.63



Illuminated Magnifier Handheld **NEW** product

Illuminated magnifiers with LED light and round aspheric lenses offering 4x, 5x (NEW) or 7x magnification. LED offers a whiter spectrum of light and longer battery life.

Aspheric lenses 70mm (4x), 60mm (5x) and 35mm (7x) are available. All models are comfortable to hold with a wide 40mm x 20mm grip, easy to operate on/off switch. Requires 3 AAA batteries (not supplied)

PRODUCT CODE		PRICE
610-0004	3" 4X LED	£15.79
610-0005	2.5" 5X LED	£14.13
610-0007	1.5" 7X LED	£12.46



UV Wide Angle Magnifier (for UV and/or white light)

We can now offer 9 watt UV lamps to replace the standard fluorescent tubes. You can fit one side with a normal standard light tube and the other with a UV tube, giving dual purpose of white light and UV light. Alternatively fit both sides with UV for stronger UV light. Each side is independently switched for your choice of lighting. Both types of tubes are easily replaced. The magnifier is supplied with standard tubes. For UV use you will need to add the UV tubes to your purchase order. This magnifier is a heavy, long reach (2 x 400mm sections) and we suggest you purchase a screw down surface bracket 609-5012 for added safety.

PRODUCT CODE		PRICE
609-5001	Wide Angle Magnifier	£369.65
609-5010	Standard 7w fluorescent tubes	£3.80
609-5012	Bracket for horizontal surface	£12.95
609-5017	UV 9 Watt Fluorescent Tubes	£25.95



**609-5012**  
BRACKET FOR  
HORIZONTAL  
SURFACE  
£12.95





**Lamp Trolley**

This superglide Lamp Trolley is suitable for all PEL lamps/ luminaires, robust construction for long trouble free life. The heavy weighted base and 5 spoke long reach feet provide sound stability and smooth movement over all kinds of floor surfaces.

The width is 700mm with a height of 720mm and weighs 10 kilos.

PRODUCT CODE	DESCRIPTION	PRICE
609-2253	Superglide Trolley	£96.50



**Magnifying Lamp**

**NEW** product

LED Magnifying Lamp provides excellent, clear magnification with 3 dioptré and bright even illumination. Operated using two banks of LEDs either side, the magnifying lamp can be used with both sides illuminated for even light, or individually to cast shadow.

- Unique crystal clear 19x17.5cm lens to see more of your work (1.75X, 3 dioptré)
- Two independent switches to allow even light or to create shadows
- High quality metal arm for optimal flexibility and durability
- Bright LED's
- New Free-Motion head-joint, guarantees precise & smooth positioning
- Clip-on lens system, increase the magnification in seconds and without any tools
- Higher magnification available in 5 and 12 Dioptré with optional lenses

The adjustable spring arms and free motion joint allow for easy and accurate positioning without the need for tightening wing-nuts.

**Magnifying Lamp Optional Extras (shown on images above):**

- 609-2215 Optional overlay lens 2.25x - 5 Dioptré
- 609-2214 Swing Arm Lens 4x 12 Dioptré swing arm 40mm diameter



Free movement joint

**SPECIFICATION**

Light source: LED
Lux output at 15cm (6"): 5,700 Lux
Light colour temperature: 6,000°K
Energy consumption: 11W
Product colour: White
Product dimensions: 55 x 30 x 87 cm (21.7" x 11.8" x 34.3")
Maximum Reach: 123cm (48.4")
Product Weight: 3.5kg (7.6lbs)
Cable length: 2.2m (86.6")
Lens size: 19cm (7.5")
Magnification: 3 Dioptré (1.75 X)
Extra magnification: 5D (2.25X) and 12D (4X)
Lens material: Acrylic

PRODUCT CODE	DESCRIPTION	PRICE
609-2223	Magnifying Lamp	£193.65
609-2215	Optional overlay lens 2.25x (5 Dioptré)	£25.15
609-2214	Swing Arm Lens 4x (12 Dioptré - 40mm long)	£25.15



**Ultra Slim Magnifying Lamp**

This ultra slim magnifier luminaire has bright 28 watt (6500 Kelvin) daylight (150 watt tungsten equivalent). The lighting technology reduces eye-strain and consumes 75% less energy.

The unique 175mm diameter lens is 1.75 magnification and 50% lighter, easy to clean and has a quick lens swap system so you can increase the magnification in seconds without tools.

The new head joint guarantees you precise and smooth positioning. Fits the PEL superglide trolley stand. Optional lenses are available to increase magnification.

The lamp includes an electronic ballast to reduce flicker, allowing you to work longer in comfortable light

PRODUCT CODE	DESCRIPTION	PRICE
609-2208	Ultra Slim Magnifying Lamp	£179.80
609-2212	Spare 28W Circular Tube	£10.95
609-2262	Optional Lens 2.25x	£25.60
609-2263	Swing arm 40mm Lens 4.75x	£25.15



**LED Luminaire**

**NEW** product



This LED luminaire is ideal for detailed work. With bright 'Daylight' LED illumination, the luminaire can be positioned closer to your working area without heating the object you are working on.

- Slimline and easily manoeuvrable
- Bright, low heat, low energy Daylight LED's
- High quality 13cm/5" lenses, 1.75X and 2.25X
- Lamp brightness 5500 Lux at 15cm

The slimline head and adjustable spring arm offer ease of movement for positioning with only one hand. Comes with two easily changeable 130mm/5" glass lenses (1.75x and 2.25x) to ensure correct magnification for the work of conservators.

Supplied with table clamp, workbench brackets and trolleys are available separately.



<i>Light source:</i> LEDs
<i>Lux output at 15cm (6"):</i> 5,500
<i>Light colour temperature:</i> 6,000°K
<i>Energy consumption:</i> 7.2W
<i>Product colour:</i> White
<i>Product dimensions:</i> 53 x 20 x 79 cm (20.9" x 7.9" x 31.1")
<i>Maximum Reach:</i> 113cm (44.5")
<i>Product Weight:</i> 2.4 kg (5.2lbs)
<i>Cable length:</i> 2m (78.7")
<i>Lens size:</i> 13cm (5")
<i>Magnification:</i> 3 Dioptre (1.75 X) & 5 Dioptre (2.25X)
<i>Extra magnification:</i> no
<i>Lens material:</i> Glass

**Work Bench Bracket**

This bracket is designed for horizontal surfaces and fits all the PEL lamps.



PRODUCT CODE	DESCRIPTION	PRICE
609-9057	Work Bench Bracket	£17.10

PRODUCT CODE	DESCRIPTION	PRICE
609-2203	Magnifying Lamp Slimline	£110.65

High Brightness Luminaire

The unit utilises the new compact colour 95 fluorescent tubes which are specially manufactured for accurate colour rendition and high brightness. This allows a small, lighter luminaire head with integral control gear. Colour corrected the new Colour 95 tubes comply with BS950 part 2 and are the best for conservation work and have negligible UV and IR, makes the luminaire ideal for paintings, textile and any conservator requiring natural light. The easyglide trolley with high frequency ballasts give zero flicker and ensures all day working comfort.

power supply	220/240 and 110 voltage
power	110voltage +15% surcharge
tubes	4 x 55w up to 3250 lux at 1 metre
colour	5300 kelvin scale
dimensions	luminaire: 636 x 410 x 65mm
trolley	adjustable to 2.75m height



PRODUCT CODE	DESCRIPTION	PRICE
609-5000	High Brightness Luminaire	£997.00

Whirling Hygrometer

The whirling hygrometer offers the maximum level of accuracy due to the nature of measurement. One of the most economic methods of monitoring relative humidity that utilises the wet and dry principle, thermometers manufactured to BS2842 allows accurate readings to be taken. Housed in a robust yellow plastic frame and black folding handle, the instrument incorporates a water cistern linked to the "wet" bulb by means of a cotton sleeve. The Whirling Hygrometer is whirled rapidly for thirty seconds, after which time a reading of the two thermometers is taken, with the wet bulb thermometer normally read first. This is repeated until two consecutive readings are obtained which are comparable. The relative humidity can then be determined by correlating the readings with those on the hygrometric tables supplied with each instrument. *The Whirling Hygrometer comes complete with hygrometric tables and carrying case.*



PRODUCT CODE	DESCRIPTION	PRICE
952-2520	Whirling Hygrometer w/Carry Case	£53.80
952-2525	Spare Wick/Sleeve Pkg 25	£5.60
952-2529	Thermometer Spare Red Spirit	£8.75

Masons Hygrometer

Housed in a yellow plastic case with lid and bulb protectors, the instrument has twin thermometers fitted over polished aluminium scale. A detachable water cistern fitted to the lower case links the "wet bulb" to the water cistern thus providing both the "Dry" and "Wet" bulb readings.

Hygrometric tables, supplied together with a spare wick and full instructions are contained within the outer carton providing the user with all the necessities to accurately measure the relative humidity and temperature.

We are pleased to be able to offer this traditional instrument at such a low price, they are a museum piece in themselves and are a proven way to measure humidity and temperature. The range is -5 degrees centigrade to +50 degrees centigrade and 20 degrees fahrenheit to 120 degrees fahrenheit. (952-2501) Includes three spare wicks, packs of ten extra wicks are available to buy (952-2503)



PRODUCT CODE	DESCRIPTION	PRICE
952-2501	Masons Hygrometer	£13.50
952-2503	Spare Wicks Pkg 10	£2.95

Task Light

The 3x 14w flicker-free, energy saving tubes give perfect working conditions with shadow-free light. The 42 watts are equivalent to 250 watt making a powerful task light with 6400k giving a good daylight correction. Fully adjustable arm and head make it easy to direct the light where you need it. Lamp head size 610 x 110 x 60mm. Cord length 1.5m

PRODUCT CODE	DESCRIPTION	PRICE
609-3250	Task Light	£104.10
609-3214	14w Energy Saving Tube	£13.10



**Digital Thermohygrometer**

The thermohygrometer is an easy to use relative humidity and air temperature measuring instrument. The unit measures %RH over the range 0 to 100%RH with a resolution of 0.1%RH and temperature over the range of -20 to 50C with a resolution of 0.1C.

The thermohygrometer incorporates a clear custom LCD screen with C, %RH, max/min, hold and dew point indication.

The thermohygrometer sensors are positioned in the void of a protective grill making the handheld instrument mobile and suitable for taking temperature and humidity measurements in various locations.

The unit is powered by 3 x AAA batteries with a minimum life expectancy of 10,000 hours. An auto-power off facility turns the thermohygrometer off automatically after ten minutes to maximise battery life. Supplied with instructions, sensor protection cap and carry pouch.



Humidity	0 to 100% RH
Resolution	0.1% RH
Accuracy	±2%(10 to 90% RH)
Temperature	-20° to 50°C
Resolution	0.1°C
Accuracy	±1°C
Power	3 x AAA Batteries
Dimensions	25 x 56 x 128mm Weight 130g

PRODUCT CODE	DESCRIPTION	PRICE
952-6000	Thermohygrometer	£69.95
952-CAL	Calibration Certificate	£80.00



**Min/Max Digital Thermohygrometer**

This low cost combined RH humidity and temperature meter with 2 separate 23mm hi-contrast LCD displays, one for temperature and one for humidity. Ideal for environmental monitoring of showcases, museums, galleries, store rooms. Case construction incorporates a key way for wall mounting and a flip out desk stand. Min/max memory is continually updated for both temperature and humidity values since the last memory reset. Each instrument is supplied with instructions and 1 x 1.5 volt AAA battery ready for use.

Range	25 to 98% RH -15°C to +50°C
Accuracy	+/- 1°C (0-40°C) +/- 5% (25% to 95%)
Power	1 x 1.5V AA Battery (supplied)
Dimensions	110 x 70 x 20mm
Weight	143 grams

PRODUCT CODE	DESCRIPTION	PRICE
805-2000	Min/Max Thermohygrometer	£16.00

**Display Case Hygrometer**

This popular display case hygrometer is also ideal for storage shelves, archiving boxes and more.

The device features a bi-metallic method for higher accuracy, with temperature measurement +/- 1 degree Celsius and RH +/- 5%. Compact size is 28 x 48 x 14mm. Also available in Fahrenheit.



PRODUCT CODE	DESCRIPTION	PRICE
167-2739	Hygrometer - Celsius	£19.95
167-2739F	Hygrometer - Fahrenheit	£19.95

**Min/Max Digital Thermohygrometer**

**NEW** product

This low cost combined RH humidity and temperature meter with 2 separate 23mm hi-contrast LCD displays, one for temperature and one for humidity. Ideal for environmental monitoring of showcases, museums, galleries, store rooms.

Case construction incorporates a key way for wall mounting and a flip out desk stand. Min/max memory is continually updated for both temperature and humidity values since the last memory reset. Each instrument is supplied with instructions and 1 x 1.5 volt AAA battery ready for use.



Temperature Humidity Range	0° to +50°C 20% to 100% RH
Resolution	0.1°C 0.1% RH
Accuracy	±1°C ±3%RH (30% to 70%) ±5% (others)
Power	1 x 3V Lithium battery (ACR-2032)
Dimensions	165 x 35 x 18mm Weight 55g

PRODUCT CODE	DESCRIPTION	PRICE
952-9237	Pen Type thermohygrometer	£30.00
952-9CAL	Traceable Calibration	£75.00



Exclusive PEL ThermoHygrometer/Data Logger

All-in-one meter and data logger compatible with the Tynytag range of loggers.

- Measures ambient temperature (°C or °F) and relative humidity
- Designed for museums, archives and libraries
- Replaceable probe
- Spot measurements with optional logging
- Displays actual temp/RH while recording changing values
- Logging capacity 32,000 readings
- Logging interval 1 second to 10 days

PEL has researched together with leading conservators, curators and librarians to design and produce this thermoHygrometer. The manufacturer is a worldwide respected company in the field of temperature and humidity measurement with strong research and development experience.

After many years supplying various thermoHygrometers to museums, libraries and archives we at PEL are proud of this latest product which is of a very high quality and standard. We would not put the PEL logo on the meter unless we were completely satisfied. The meter can be switched off to save battery life with the level displayed, data logging mode is also shown. The actual RH and Temperature are displayed, changing from one to the other every 5 seconds.

Customers already using Tynytag data loggers can use the same software and cable to activate the meter's data logging. Alternatively if you are new to Tynytag you can add the data loggers to your meter using the same software and cable.

SPECIFICATION

Temperature Range	-20°C to +50°C
Humidity Range	0 to 100% RH
Accuracy	±0.5°C ±3% RH
Display Resolution	0.1°C and 0.5% RH
Logger Capacity	32,000 Readings
Logging Interval	1 second to 10 days
Power Supply	2 x 1.5V AA Alkaline Batteries
Dimensions	195mm x 65mm x 23mm
Weight	175g (including batteries)

PRODUCT CODE	DESCRIPTION	PRICE
9903-7150	ThermoHygrometer	£195.00
9903-0009	Tynytag Explorer Software	£49.00
9903-0007	PC Download Cable	£5.00
9903-0010	Tynytag Explorer Windows Software & USB Cable	£55.00
9903-USBC	USB Cable	£20.00

Hygrothermograph

The hygrothermograph measures and records ambient temperature and RH humidity using an ultra-sensitive bi-metallic thermometer and a special hygrometric bulb.

The hygrothermograph operates by mechanical or quartz movement and is supplied with 100 7-day charts, two pens and an AA battery. A built-in hinged top includes key operated security lock with a tamper proof reset device. The metal case has light grey epoxy paint, clear acrylic window and a carry handle.

PRODUCT CODE	DESCRIPTION	PRICE
438-0081	Hygrothermograph	£250.00
438-0005R	Replacement Pens - Red Set 2	£10.30
438-0005	Replacement Pens - Black Set 2	£10.30

Accuracy: +/-0.5C & 3% midrange 0-100% RH



WiFi RH/Temp Data Logger -20 to +60C **NEW** product

The EL-WiFi-TH wireless data logger is the first wifi data logger that PEL have been happy to offer to our customers. Unlike many other wireless data loggers the EL-WiFi-TH is simple to setup and integrate into your existing wireless network and features easy to use, intuitive software.

The wifi datalogger measures the temperature and humidity of the environment in which it is situated. Data is transmitted wirelessly via your existing wifi network to a PC and can be viewed with the free software. The units must be connected to a PC to be setup but once this is done they can be placed anywhere within the wifi network, if connection is lost the unit will continue to log readings until it is reconnected with the network.

Wifi networks can be increased using wifi extenders if necessary. Requires 802.11b compliant wifi router/network.

Supplied with bracket.

Total Reading Capacity: 500,000 readings	Display Resolution: 1.0% RH
Logging Interval: 10 sec to 12hrs	Accuracy: +/- 2.5%RH
Temperature Range: -20°C to +60°C	Case Dimensions: 97 x 71 x 26mm
Logger Resolution: 0.1°C	Weight: 43g
Display Resolution: 0.5°C	Battery Life: 1 year typical
Accuracy: +/- 0.3°C	Software: Win XP/Vista/7 (32-bit or 64-bit) Free Download.
Relative Humidity Range: 0 to 100% RH	
Logger Resolution: 1.0% RH	



PRODUCT CODE	DESCRIPTION	PRICE
9902-7336	WiFi RH/Temp Data Logger -20 to +60C	£99.00

**What is dew point?**

At a given temperature, air can only absorb a certain amount of water vapour. The higher the temperature the more water vapour it can absorb. The water in air condenses when it is saturated (corresponding to 100% RH). The temperature at which water vapour condenses to liquid water is known as the dew point (temperature). Example: 20°C and 50% RH >9.3°C dewpoint (if the air is cooled to 9.3°C liquid water will develop).

**Button Humidity & Temperature Data Logger**

PEL are pleased to introduce our button data loggers. These tiny low cost data loggers are ideal for use in display cases where they can be easily hidden while keeping an accurate record of temperature and humidity.



The loggers are self contained, sealed units capable of taking 8000 readings (~43 Days of logging at 15minute intervals). If you require longer periods of operation please look at our Tinytag range of data loggers. The loggers come with calibration certificate and are calibrated to ±0.5°C and ±2%RH, loggers can be re-calibrated at additional cost.

The software supplied is very easy to use and allows the user to perform operations such as overlay multiple graphs, calculate dew points, export to excel and add comments to graphs. Users of TinyTag Explorer will find the system equally simple to use.

Due to their small size we offer a yellow magnetic holder to ensure that they are not lost or removed by cleaning staff.

PRODUCT CODE	DESCRIPTION	PRICE
684-5402A	Button Datalogger Kit - 2 Loggers Each	£388.00
684-5400A	Button Datalogger Temp & RH (Software/Cable not included)	£160.00
684-5000	Yellow Rubber Holder	£8.00



Operating Range: -20°C to +85°C
Temperature Resolution: Low resolution mode: (0.5°C), High resolution mode: (0.07°C)
RH Resolution: Low resolution mode: 0.64%RH, High resolution mode: 0.04%RH
Number of Readings: 8192 low resolution mode (4096 Temperature & 4096 Humidity), 4096 high resolution mode (2048 Temperature & 2048 Humidity)
Delayed Start: Up to 1 Year 1 minute resolution
Sample Rate: 2 seconds to 23 hours
Construction: 305 Stainless Steel
Size: 17mm Diameter x 6mm High
Software requires windows 2000 or later, USB connector is required to connect the reader.

➤ **Tinytag**

Preservation Equipment Ltd is proud to be the official distributor appointed by Gemini to supply these very successful data loggers to Museums, Archives and Libraries. We can supply from stock at a price no other data loggers can offer in terms of size (so tiny) or price (so small). The range includes (RH) Humidity, Temperature, Shock, and vibration in single or dual channel. These data loggers are the perfect solution to monitoring the environment in Museums, Archives and Libraries in repositories, display cases, shipping and storage. Units have been used for a number of years, proving that they are reliable and easy to use. The software is a superior quality and will run all the loggers in the range. You can program the units to log in seconds, minutes, hours or days. Delay start or trigger start. Facility to add grid lines and "fine tick marks". Ability to overlay up to 9 graphs (great for looking at number of loggers in a single graph). User title and notes field, independent axis zoom and zoom step option. Alarm facilities (two) can be set high or low. Each data logger comes with instructions and battery fitted. Battery life expectancy is 2 years, Tinyview and Tinyshock the battery life will be less.

➤ **Tinytag Ultra 2 (Dual Channel)**

The latest data logger to the range available in two channel. TinyTag Ultra offers all the features expected from a TinyTag - at a lower cost and in a case specifically designed to meet the customer requirements, simply stand it in position or hang on the wall.

The 32,000 data readings mean that the data logger can offer almost 12 months logging at 15 minute intervals. With offload whilst logging, 2 alarms and min/max/actual readings as standard. Alarm active indication (red LED) and data logger active (green LED) user replaceable battery, delayed start and 2 "stop" options. Low battery monitor. 72mm H x 60mm W x 33mm D. Weight 55 grams.



PRODUCT CODE	RANGE	ACCURACY	TYPE	PRICE
9903-1500	-25 to +85°C 0 to 95% RH	+/-0.2°C +/-3% RH	Temp & RH (Dual Channel)	£99.00
9903-0007	PC download cable: 1 metre long (not USB)			£5.00
9903-0009	Tinytag Explorer Windows Software			£49.00
9903-0010	Tinytag Explorer Windows Software & USB cable			£55.00



➤ **Tinytag Plus 2**

Small, powerful, easy to use and offering many advanced features, these loggers, which can offload whilst logging, are the ideal choice for most professional logging applications. Tinytag Plus 2 Loggers feature rugged IP 68 casing, are able to store more than 32k data readings, giving almost 12 months data at 15 minute intervals. With trigger start, 2 programmable alarms, and the ability to offload data while continuing to log all offered as standard - Tinytag Plus offers customers the professional yet quick and easy answer to their needs.

PRODUCT CODE	RANGE	ACCURACY	TYPE	PRICE
9903-1550	0 to 100% RH -25 to +85°C	+/-3% RH +/-2°C (0-50°C) (Dual Channel)	Temp & RH	£150.00
9903-1555	Tinytag Plus 2 with external probe			£165.00

➤ **Tiny Data Logger Audible Alarm**

We have frequently requested to provide an audible alarm for Tinytag and Tinyview data loggers. When the RH or temperature goes over or below the preset alarms the unit is activated. Ideal when loggers are placed out of sight or located in Archives within the storage area. Especially useful for works of art that have to be protected from high or low levels of humidity.

The audible alarm can also be linked into another location or connected to other systems since it will trigger millivolt (20mA) to activate other suitable alarms.

Comes complete with instructions, software and 1.5 metre cable to connect to the data logger. Simply activate the data logger setting the high and low alarms required then connect via the cable supplied to the audible alarm. Should the RH or temperature go over or below the preset alarms the audible alarm will be activated.



PRODUCT CODE	DESCRIPTION	PRICE
9903-5000	Use with Tinytag/Tinyview only	£49.00

➤ **Tinyview Plus with external probe**

With an external dual channel probe for both temperature and relative humidity this logger is ideally suited to applications where access is limited or where the logger needs to be unobtrusive. Museum display cases that have climate control need not be opened to download the data thereby allowing the conditions inside the display case to remain undisturbed. It is also most useful where the storage environment has to remain undisturbed such as containers with the probe fitted inside and the logger on view externally. This makes convenient access to downloading data.

In addition to logging up to 30000 readings, current values of temperature and humidity are shown on the LCD display. The complete assembly is manufactured from food grade materials and is splash proof.

The applications for Tinyview are many and varied such as historical houses, museums, archives, repository and cavity wall monitoring. The logger has 2 user programmable alarms, delayed and trigger start options (up to 45 days). Logging interval one second to ten days, off load data while stopped or when logging, reading types actual, minimum and maximum. Software compatible with all Tinytag and Tinyview data loggers.



**Dimensions**

- Case**  
60mm Diameter x 90mm Long  
77mm Wide x 35mm Depth
- Probe**  
8mm Diameter x 70mm Long
- Cable**  
1.5m Long

PRODUCT CODE	RANGE	ACCURACY	WEIGHT	PRICE
9903-1506	-25 to +85°C 0% to 100% RH	+/- 3% at 25°C	150g	£180.00
9903-0007	PC download cable 1 metre long (not USB)			£5.00
9903-0009	Tinytag Explorer Windows Software			£49.00
9903-0010	Tinytag Explorer Windows Software & USB Cable			£55.00

➤ **Tinytag, Tinyview, Tinytalk Accessories**

CODE	DESCRIPTION	PRICE
9903-0007	PC Download Tinytag/view cable (not USB)	£5.00
9903-0009	Tinytag Explorer Software	£49.00
9903-USBC	USB cable	£20.00
9903-0010	Tinytag software & USB cable	£55.00
9901-9000	Initial calibration, single channel	£35.00
9901-9001	Service calibration, single channel	£45.00
9901-9002	Initial calibration, dual channel	£55.00
9901-9004	Service calibration, dual channel	£65.00
9903-9500	Service kit includes battery and seals	£5.00

**TINYTAG EXPLORER SOFTWARE & ACCESSORIES**

The TinyTag range of data loggers share all of the listed accessories above, except where single or dual channel is specified.

- Set up loggers and present recorded data
- Works with all Tinytags
- Versatile and easy to use
- Copy/export data into popular packages: eg. MS Excel; Word
- Site Licence allows multiple users at same location

Customers already using Tinytag data loggers can use existing software and cable to activate the meter's data logging.



➤ **Tinyview Plus Data Logger**

Offering a clear, easy to read display, together with all the features of our Tinytag dataloggers. Small neat, off-white colour that blends into a museum, library or archive environment. This dual channel data logger measures temperature and humidity giving a constant display of current readings, the LCD display also shows the alarm state. Logging intervals are 1 second to 10 days, giving a battery life of up to 3 years.

The RH (humidity) sensor has excellent long-term performance and can be wetted without damage. The RH sensor accuracy is +/- 3% RH at 25°C, logging and display resolution is 0.5% RH with a range from 0 to 100%.

The temperature range is -25°C to +50°C with sensor accuracy of +/- 0.2°C from 0°C to 50°C. Other features are 30,000 readings, the ability to offload data whilst logging, and a weight of just 85 grams.

The software is, in our opinion and our customers, the best available. It's powerful, simple to use, and is standard with all our dataloggers.

Windows based, it guides users through the available features. All data can be copied to other Windows based applications allowing speedy preparation of reports. Offers a launch confirmation screen a unique ID number each time loggers are started. Allows graph overlay together with the ability to 'step' through the data in equal time segments along with tabulated and statistical data.



PRODUCT CODE	DESCRIPTION	PRICE
9906-1501	Tinyview Temp/RH Dia. 60mm depth 35mm	£165.00
9903-0009	Tinytag Explorer Windows Software	£49.00
9903-0007	Tinyview PC Cable 1 metre long (not USB)	£5.00
9903-0010	Tinytag Explorer Windows Software & USB cable	£55.00

➤ **PROsorb Humidity Control Cassettes** **NEW** product

Humidity control cassettes from ProSorb present an easy way of maintaining a stable relative humidity level in display cases and cabinets.

Supplied as a complete unit, the proSorb cassettes require no additional containers or trays. Pre-filled with ProSorb beads, the cassettes are constructed from a sturdy polypropylene case with vapour permeable non-woven polyester panels.

Dependent upon the desired RH (relative humidity) '%' required, we have cassettes preconditioned to satisfy the ideal level for museum display cabinets, generally in the range of 45% to 55%. The enclosed ProSorb beads will absorb and desorb water vapour, as appropriate, to stabilise the humidity.

As with any other humidity control, it is important to monitor the environment using a hygrometer as reconditioning may be required after an extended period.  
ProSorb Cassette Sizes

*Full-size Cassettes:*

- **Dimensions:** L 335 mm, W 110 mm, H 44 mm.
- **Content:** 950 g beads. One or more cassettes per cubic metre of air volume are required depending on circumstances of application

*Half-size cassettes:*

- **Dimensions:** L 335 mm, W 110 mm, H 24 mm.
- **Content:** 500 g beads. One half-size cassette will be sufficient for 0,7 m3 depending on circumstances of application



**Free of chlorides:** PROSorb contains no lithium chloride, as some other products do (Lithium chloride is a chemical - salt, potentially harmful to many metals. This salt can be transferred to metals in dust or by human touch). PROSorb consists of 97% SiO2 and 3% Al2O3

**Low abrasion:** PROSorb beads produce less dust than other silica gels (abrasion < 0,05 weight-% according to MIL-D)

**High bulk density:** 1 kg PROSorb only needs a volume of ca. 1,5 l (much less than some other silica gels)

**Long term stability:** PROSorb maintains the greater part of its capacity well beyond the 2-5 years when other silica gels have lost a large portion of their capacity

**Temperature dependency:** PROSorb is conditioned in relation to temperature. PROSorb reacts in the same way organic materials do. Therefore there will be no, or little, transfer of water vapour between organic materials and PROSorb if the temperature changes. Under fluctuating temperatures this property protects wooden objects and other organic materials from swelling or shrinking: The conditioning indicated on the labels refers to 20°C. At 10°C the conditioning of the cassettes will be around 1 - 1,5 % RH lower, at 30°C around 1 - 1,5 % RH higher

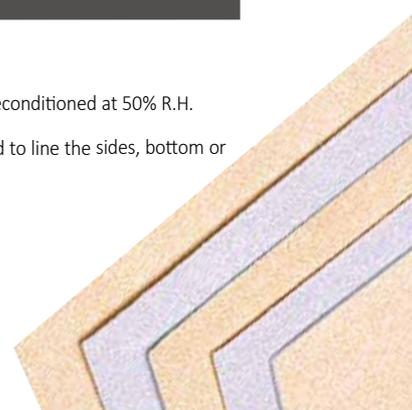
PRODUCT CODE	DESCRIPTION	PRICE
857-8045	ProSorb Full-Size Cassette 45% RH	£48.00
857-8050	ProSorb Full-Size Cassette 50% RH	£48.00
857-8055	ProSorb Full-Size Cassette 55% RH	£48.00
857-8245	ProSorb Half-Size Cassette 45% RH	£29.00
857-8250	ProSorb Half-Size Cassette 50% RH	£29.00
857-8255	ProSorb Half-Size Cassette 55% RH	£29.00

➤ **Art-Sorb Sheets®**

Art-Sorb is a moisture-sensitive silica material which adsorbs and desorbs moisture in order to offset changes in external relative humidity. It provides over 5 times the moisture buffering capacity of regular density silica gel, and is even more efficient at higher relative humidities. Art-Sorb is available preconditioned at 50% R.H.

A non-woven sheet of archival polyethylene/polypropylene fibres is impregnated with fine particles of Art-Sorb. It can be used to line the sides, bottom or top of a display case, or placed in a frame. Sheets can be cut to size.

PRODUCT CODE	TYPE	SIZE (APPROX)	WT	PRICE
857-1919	Single Sheet	19.7" x 19.7" x 0.07" (500mm x 500mm x 2mm)	100g	£22.35
857-1919/20	pack of 20 sheets	19.7" x 19.7" x 0.07" (500mm x 500mm x 2mm)	2kg	£389.00



➤ **PELsorb Humidity stabiliser**

Pelsorb is a moisture sensitive silica gel capable of both absorbing and desorbing moisture, making it ideal for stabilizing relative humidity within an enclosed space (Such as museum display cases or storage cabinets). Pelsorb can be used to maintain a 45 - 55 % RH (Relative Humidity) level and can operate effectively for 5 years or more.

Pelsorb is available in beads and as sachets of beads which should be placed around the perimeter of the case, or in a drawer. Use 1 sachet or 500g of beads for 0.7 cubic metre (multiply cubic feet by 0.02832 to get cubic metres). This may well need increasing depending on how airtight the display case is. Pelsorb is shipped in aluminium containers that are both moisture and airtight to ensure it arrives in perfect condition for use. Pelsorb is a suitable alternative to ArtSorb.



PRODUCT CODE	PH RANGE	PRICE
857-7500	Pelsorb 500g sachet (50%RH) Each	£17.95
857-7555	Pelsorb 500g sachets (55%RH) Pack of 4	£77.50
857-7545	Pelsorb 500g sachets (45%RH) Pack of 4	£77.50
857-7501	Pelsorb beads (50%RH) 5kg drum	£141.95
857-7502	Pelsorb beads (55%RH) 5kg drum	£141.95
857-7503	Pelsorb beads(45%RH) 5kg drum	£141.95

**Corrosion Inhibitors (VCI)**

Vapour corrosion inhibitors (also known as Volatile Corrosion Inhibitions or VCI) are used to protect ferrous materials and non-ferrous metals against corrosion or oxidation. VCI cards and Kraft Paper are ideal where it is not possible to apply a surface treatment, this makes them ideal for conservation applications.

The VCI product slowly releases compounds that actively prevent surface corrosion, VCI works best within a sealed environment. VCI is effective for 2-5 years dependent upon conditions.

**VCI Kraft Paper**

This brown Kraft paper is ideal for wrapping metal objects for storage. The paper is pH neutral, non-toxic and recyclable.

PRODUCT CODE	DESCRIPTION	PRICE
549-2000	1m x 100m Kraft Paper Roll	£49.00

**VCI Cards**

Ideal for use in display cases, easily hidden behind objects. Will help prevent corrosion of metal objects on display without being in contact with them. 1-2 cards per cubic metre. Card itself is made from HDPE plastic.

PRODUCT CODE	DESCRIPTION	PRICE
549-3000	10 no. 50 x 100mm VCI Cards	£14.50



**For Costume Display Figures**  
See page 184



**Zorbix**

**NEW** product

For humidification or drying of parchment, books, textiles or works of art on paper, Zorbix sheets are the ideal solution. The super-absorbent sheets are able to absorb up to 50 times their weight in water, significantly more effective than blotting paper.

**Humidification**

The saturated/hydrated sheets desorb water vapour at a rate which can be useful for gentle humidification in paper repairs. As a humidity device, Zorbix holds water moisture in gel form, while the water can only be released as a vapour once absorbed by the encapsulated absorbent material (A combination of wheat-starch and polyacrylonitrile-based polymer). Water is wicked away from its surface, leaving the outer filter paper dry at the surface. The fact that there is no liquid present on its surface makes Zorbix the only humidification device that is its own vapour barrier. Used in conjunction with an unwoven support fabric such as Reemay or Bondina, humidification levels can be controlled to a level that suits your project. Strips offer the opportunity to treat smaller areas in isolation.

**Disaster Recovery**

On-site water removal from items immediately reduces damage and speeds the recovery of items for return to use. Packages of Zorbix placed in disaster recovery kits give the response team an effective tool. In a saturated book, placing the sheets every 20-50 pages will quickly and effectively reduce water by 50% and reduce the risk of mould growth. Zorbix can remove water from any porous material: vellum, paper, textiles, leather and wood.

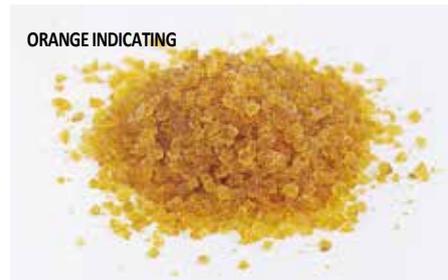
**Zorbix sheets and strips are reusable whether they are used for humidification or drying.** The alpha-cellulose outer paper may become soiled after numerous cycles, however an interleaving of Hollytex or similar can act as a barrier without reducing effectiveness.

Sold as packs of 10 sheets, or strips sold as a pack which consists of; 6 x 1" squares, 6 x 2" squares, 4 x 3" squares, 4 x .5" x 11" long strips.

PRODUCT CODE	SIZE	PACK	PRICE
986-1009	Zorbix Sheets 6"x9" (152mm x 228mm)	10 sheets	£46.00
986-1010	Zorbix Sheets 7.5"x10" (190 x 254mm)	10 sheets	£51.20
986-1014	Zorbix Sheets 10"x12" (254 x 305mm)	10 sheets	£58.50
986-1020	Zorbix Sheets 15"x20" (381 x 508mm)	10 sheets	£62.00
986-1033	Zorbix Humidity Strips	Mixed 20 pack	£20.55



**Zorbix**



**Silica Gel & Orange Indicating Silica Gel**

Silica Gel is a porous, granular, chemically inert amorphous silica with a high absorbent capacity. As a desiccant, standard grades of silica can absorb 40% of their own weight of water. Because no visible physical change occurs when standard silica gel becomes saturated, we also offer orange silica gel which changes to pale yellow when saturated. Use alone or add a 10% mix to standard gel. Both can be reconditioned by heating for 3 hours at 150° F. the 10 gram sachets are fabric suitable for regenerations  
 Caution: Do not inhale. Quantity guide 5g per cubic foot, 170g per cubic metre. **Price each.**

**Silica Gel Desiccant Packets**

Prevent rust, corrosion, mold and mildew in closed containers with these easy to use packets. One kg. of this water absorbent chemical will dry approximately 2 cu. meters in an air tight container. Each contains 3 grams. Price per package of 4.

PRODUCT CODE	SIZE	WT	PRICE
886-1000	50 x 57mm	14g	£1.30

PRODUCT CODE	DESCRIPTION	SIZE	QTY/WT	PRICE
404-3500	standard white	2-5mm beads	500g	£6.95
404-3300	standard white	2-5mm beads	3kg	£24.30
404-3250	standard white	2-5mm beads	25kg	£127.00
404-5010	orange indicating	1-3mm granular	10g/10 sachets	£3.95
404-5100	orange indicating	1-3mm granular	500g	£7.95
404-5300	orange indicating	1-3mm granular	3kg	£28.99

**Humidity Cassettes**

These humidity control cassettes are constructed from perforated stainless steel. Designed to hold Pelsorb and various brands of Silica gel beads. Keeps beads away from works of art and provides easy access for reconditioning. The high quality humidity cassettes are compact, reusable and ideal for display cases, boxes, drawers or anywhere moisture or humidity may be a problem.

The small size 165 x 64 x 25mm containing Pelsorb beads would be suitable for approximately 0.25 cubic metre. The larger size 330 x 114 x 38mm approximately 1.25 cubic metres. Naturally the amount of Pelsorb or Silica gel used can be varied to suit the control levels required.



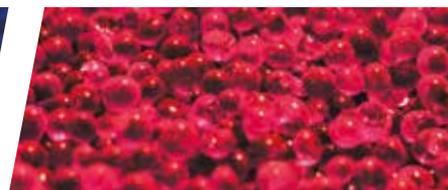
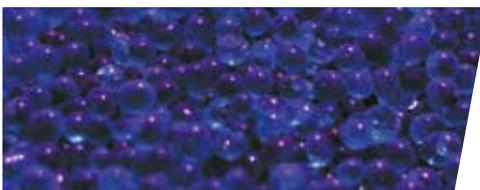
PRODUCT CODE	DESCRIPTION / SIZE	PRICE
078-6525	Humidity Cassette Small 165 x 64 x 25mm	£39.95
078-1345	Humidity Cassette Large 330 x 114 x 38mm	£56.20

**Indicating Silica Gel (Blue to Red)**

This silica gel replaces the old indicating cobalt blue gel that currently is presumed to be carcinogenic. This means the blue to red is safe to use and is a clear indicator when red it is saturated.

Depending on the moisture content it changes its colour from blue to red. Blended with standard non indicating silica gel it gives you an indication when it requires regeneration (a ratio of 1:10 is ideal). The colour shift from blue to red occurs between 15-45% RH so the colour change gives you a good indication about the remaining capacity of the silica gel.

Regeneration temperature should not exceed 140°C in order not to damage the indicator. Granular size 2-5mm round beads.



PRODUCT CODE	DESCRIPTION	SIZE	QTY/WT	PRICE
857-6005	Silica Gel (Blue to Red) Indicating		5 Kg	£64.95
857-6001	Silica Gel (Blue to Red) Indicating		1 kg	£16.95



➤ **Dehumidifier with drain pump**

This model does not house a water collection bucket it simply pumps the collected water through the hose into a drain. Will pump out of a cellar or through a window to a height of 4.3 metres. The dehumidifier eliminates the need to empty the bucket making it ideal for unattended locations and permanent installation.

Running costs are approximately 2.5p per hour maximum extraction is 10.2 litres per day. Nominal effective volume 100 cubic metres suitable for storage areas and cellars. The variable humidistat allows you to adjust the humidity levels.

Power Supply	220/240 volt 5 amp fuse
Energy Use	250w @ 10°C 55% relative humidity
Dimensions	345mmW x 350mmD x 550mmH
Weight	26kg
Airflow	150m3/hr
Min. Work. Temp	3°C

PRODUCT CODE	DESCRIPTION	PRICE
810-0030	Dehumidifier with drain pump	£466.00

➤ **Dehumidifier**

The dehumidifier is light and compact enough to be lifted and carried with ease. They require no installation, just position the unit where its needed, plug in, switch on and leave it to get on with the job. Because they use energy efficient heat pump technology, costing no more than a TV to run. The product should be part of disaster planning, and can extract up to 10 litres of water per day. Unlike imported models, it is designed to operate more effectively at lower temperatures and is suitable for up to 80 square metres. The humidistat control is set to the level of humidity required, automatically switches the machine on when humidity rises, and off when the selected level of dryness has been achieved. Automatically switches itself off when the water container is full - so preventing overflowing. Fitted with rear dust filter and easy to move casters and carry handle.

Power Supply	220/240 volt 5 amp fuse
Energy Use	250w @ 10°C 55% rel. humidity
Water Capacity	4 Litre
Water Extraction	Up to 10 litres per day
Dimensions	345mmW x 350mmD x 550mmH
Weight	26kg
Airflow	150m3/hr
Min. Work Temp.	3°C

PRODUCT CODE	DESCRIPTION	PRICE
810-0035	Dehumidifier (220/240 volt)	£360.00
810-0035/1	Permanent Drainage Kit	£7.40

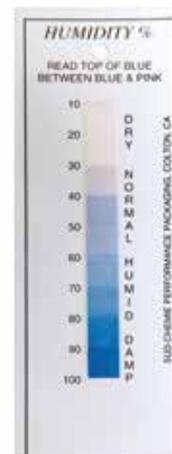
➤ **Humidity Indicator Card**

Humidity indicator cards provide a quick and inexpensive means of checking relative humidity levels of your storage or display area. As humidity changes, the chemically impregnated spots change from blue (dry) to lavender (normal) to pink (humid).

The standard card indicates the current humidity level, measures 4-1/2" x 1-1/2". Each of these cards are accurate to ±5% relative humidity (RH) at 24°C (75°F).

Price per package of 5 cards.

PRODUCT CODE	DESCRIPTION	PACK	PRICE
931-3100	Humidity Cards	Pkg 5	£7.95



**Tower Racks**

Roll storage tower rack for safe and space saving storage of roll materials such as paper, Tyvek, polyester etc.

Sturdily constructed of tubular steel and a strong steel base. The tower occupies a minimum of floor space to provide convenient roll loading, dispensing and cutting. Hub adaptors (included) allow varying roll widths to be mounted on a single dowel. Heavy duty casters are also included and provide complete mobility.

Roll storage rack features:

- Free-standing for use on work floor complete with casters for ease of transport.
- Holds up to 9" (229mm) diameter rolls, on 3" (75mm) core in various widths, weights and thicknesses.
- Hub adaptors and metal dowels supplied allowing various widths of paper on one rack.
- Finished in durable grey powder coat.
- Holds rolls up to 48" (1219mm) wide

Dimensions of roll rack: 1333.5 mm W(overall) x 1352.55 mm T x 609.6 mm D

Supplied flat packed, some assembly required, full instructions included.

PRODUCT CODE	DESCRIPTION	PRICE
959-3690	Roll Rack - Mobile Tower Storage	£458.00



**Roll Storage Trolley**

This roll storage trolley is a safe and convenient mobile roll storage system with locking wheels holds up to 12 rolls of materials.

It fits through standard doors 36" (914mm) holds up to 363 kilos and will take cores of 2" and 3" (51mm and 76mm).

Conservators will find the trolley useful for keeping conservation materials organised, and is capable of storing various length rolls.

Dimensions: 641mm Wide x 723mm Long x 536mm High (including casters).

PRODUCT CODE	DESCRIPTION	PRICE
959-0012	Roll Storage Trolley	£297.60



**Iron Horse™ Book Trolleys**

Quite simply the toughest trolleys money can buy! Our all-welded, ready assembled steel look trolleys are built for years of use and are available at a price that is hard to ignore. Just look at these features:-

**Exceptionally strong and safe:** · 1 piece, seamless 16 gauge flat panels with 25mm round tubular steel frames · Shelves made from 16 gauge or 20 gauge steel · Rolled shelf edges and smooth rounded frames for safety

**Exceptional manoeuvrability:** Curved handles for better steering · 102mm ball bearing swivel casters with non-marking rubber wheels

**Versatility:** Shelf clearance typically 292mm top and 368mm bottom – capacity for books of all sizes · Choose from four shelf variations

Book Trolleys available in the RAL colours shown.

<b>403-3123</b> £245.00 85 Book Capacity Features 2 large flat shelves Overall Dimensions: 914 x 762 x 406mm Shelf Length: 675mm Shelf Depth: 381mm	<b>403-3121</b> £274.00 150 Book Capacity Features 3 large flat shelves Overall Dimensions: 984 x 857 x 381mm Shelf Length: 678mm Shelf Depth: 355mm	<b>403-3122</b> £314.00 290 Book Capacity Features 4 sloping and 1 flat shelf Overall Dimensions: 997 x 857 x 431mm Shelf Length: 768mm Shelf Depth: 158mm top / 406mm bottom
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Book Trolleys available in the RAL colours shown (above) Paintwork is conservation quality powder coated which does not off gas making the cabinet archival safe. **RAL REF#:** 7036, 7035, 8003, 3000, 9005, 7038, 9016, 1015, 5017

## ▼ Tyvek® Rolls

PEL has for many years stocked high levels of Tyvek 1443r for immediate dispatch supplying museums, collectors, specialist shipping companies and stately homes in many countries worldwide.

### Tyvek 1443R Features

- Tyvek stops or filters out 99.9% of particles 0.5-0.7 micron. Liquid hold-out tests give Tyvek® the same high ratings, being non-absorbent and essentially inert.
- PEL offers Dupont Tyvek® 1443R 43gsm 145 micron thickness with anti-static finish to prevent dust attraction, the non-reactive coating is inert and not detrimental.
- Tyvek® is reusable and recyclable. It's made from 100% HDPE, it contains no fillers or binders and it's inert.
- Tyvek® is a responsible choice for archival storage and protection for works of art.
- Tyvek® is a smooth, non woven mesh of 100% high-density polyethylene fibres. It feels smooth as paper and as soft as fabric. The material is lint-free, tear-resistant and water-resistant.
- Tyvek® provides a breathable membrane which prevents moisture from being trapped in the covered item and causing condensation.
- Tyvek® roll from PEL comes on 3" (76mm) core wrapped and suitably boxed for protection in transit.
- Hydrostatic Head (5) in cm H<sub>2</sub>O | 850mm (Rate of use 60 cm/min)

We also stock Tyvek® in 3 metre wide rolls, ideal for covering very large objects (212-1422300).

PEL is a Dupont appointed stockist for Tyvek®, we keep high stock levels for immediate dispatch supplying museums, collectors, shipping companies, galleries and many others world wide.

**Tyvek® 1622E** is a pin perforated Tyvek® similar to our 1443R grade. The perforations (0.25 - 0.38mm) give additional softness, flexibility and permeability to both air and moisture.



PRODUCT CODE	GRADE / SIZE	FORMAT	PRICE
212-1422	Tyvek 1433R 1524mm x 25M	Roll	£42.50
212-1422100	Tyvek 1433R 1524mm x 100m	Roll	£147.50
212-1422300	Tyvek 1433R 3000mm x 50M	Roll	£206.40
212-7625	Tyvek 1433R 760mm x 25M	Roll	£26.00
212-76100	Tyvek 1433R 760mm x 100M	Roll	£86.00
212-1622	Tyvek 1622E 1524mm x 25M	Roll	£42.50
212-1622100	Tyvek Roll (Grade:1622E) 1524mm x 100M	Roll	£147.50

## ▼ Foil-Backed Shelf Liner

If you have old wooden shelves or cases, you can protect your collections against direct contact with the harmful elements in wood by using this unique material to line drawers or shelves. The aluminum foil on one side acts as a barrier against harmful chemicals while your book or artefact only comes in contact with the alkaline buffered, white paper. For those collections for which unbuffered storage materials are indicated, we suggest you use this liner foil-side up and then top with a sheet of Polyfelt, Ethafoam, or unbuffered blotter. Replace the topsheet as needed; the foil-backed liner can remain in place. Roll size: 25" x 100' on a 3" core.

PRODUCT CODE	SIZE	PRICE
387-2510	635mm x 30m	£56.70

## ▼ Plastic Sheeting

Clear strong polythene centre-fold sheeting for protection in storage against dust, moisture, is ideal for draping over library shelves protecting from leaks and water in a disaster situation. Thickness: 76 micron. Price per roll.

PRODUCT CODE	DESCRIPTION	PRICE
425-0312	2m folding to 4m x 50m	£49.95



## ▼ Water Alert®

Water Alert® guards year round against undetected water leakage. A small amount of water seeping under Water Alert® activates its electronic sensor producing a loud high pitched "on-off" alarm. The self-contained, dome shaped unit is rugged, non-corrosive and safe. Sensor adjusts easily to allow activation from 0.4mm to 3mm above surface. Will not activate due to high humidity. The battery operated sealed solid state circuitry will provide approximately 3-day on/off audible alarm when activated (9 volt battery not included).

Can easily be heard throughout a two-storey home for full day/night surveillance.  
**Price each.**



PRODUCT CODE	DESCRIPTION	PRICE
476-1000	Water Alert	£263.20

**For complete disaster recovery kits see page 118**



## ▼ Preservation Time Capsule

Designed for PEL by a scientist who recommended we use marine 316 stainless steel that will not rust even in salt water. Comes complete with a PTFE sealing gasket. The materials will not affect the contents, the time capsule is water tight and will survive thousands of years into the unknown future. Papers may need to be de-acidified so they contain no acid and to stop deterioration (see solutions available in this catalogue). Separate each item with archival quality bags, rubber and some plastics will emit acidic vapours, so avoid them. Remove batteries from electrical devices. We also suggest you have your details engraved onto the time capsule. Size: 220mm Diameter x 600mm Long.

PRODUCT CODE	DESCRIPTION	PRICE
412-0008	Time Capsule	£397.95



### Locking (Wide Shelf) Storage Cabinet

Easily adjustable interior 50 kilo maximum weight shelving, heavy gauge steel construction, and an attractive appearance are what makes these storage cabinets a welcome addition to any library work area. Each cabinet features a 3 point door locking mechanism, raised bottom and integrated shelf support tabs. The 72" high unit provides five openings with four adjustable shelves. Supplied with 4 shelves Extra shelves are available. Colour light Grey. supplied assembled **Price each.**

PRODUCT CODE	ITEM	SIZE (H X W X D)		PRICE
589-7525	cabinet	71.65" x 36" x 19.88"	1820mm x 915mm x 505mm	£364.95
589-0600	extra shelf	36" x 19.9" x 0.75"	915mm x 505mm x 19mm	£18.95



### Multi-Media Archival Cabinets

#### Glass Negatives, Photographs, VHS Cartridges, Music & Video Cassettes, Floppy Disks, Compact Discs.

A highly versatile lockable cabinet with simple drawer fittings which can be easily adjusted to suit a variety of formats as listed above. Archives and Libraries can store more than one form of media, allocating a drawer, or part of a drawer. The unique feature of the PEL cabinets is the drawers can be opened fully to the back of the drawer, making it so easy to remove the last item at the back. The easy-action drawers have a safety interlock which permits only one drawer to be opened at a time. Six different size cabinets available. We have endeavoured to offer a guide to cabinet capacity because of various thicknesses of material, or if stored with protective covers, sleeves or case, these figures can only be approximate.

*Drawer size:* 155mm H x 475mm W x 575mm Front to back.

*Colour:* Two-tone coffee/cream.



CABINET	NO. OF DRAWERS	HEIGHT	WIDTH	FRONT TO BACK
501-4000	4	785mm	575mm	635mm
501-5000	5	955mm	575mm	635mm
501-6000	6	1125mm	575mm	635mm
501-8008	8	1465mm	575mm	635mm

CABINET	NO. OF DRAWERS	GLASS NEGATIVES	PHOTOGRAPHS	VHS CARTRIDGES	VIDEO CASSETTES	FLOPPY DISCS	CDS	PRICE
501-4000	4	3000	7000	168	430	3000	600	£599.00
501-5000	5	3750	8750	210	530	3750	750	£675.00
501-6000	6	4500	10,500	250	640	4500	900	£720.00
501-8008	8	6000	14,000	330	850	6000	1200	£955.00

### Microfilm Storage Cabinets

Metal Construction with full anti-tilt facility. The drawer can be configured to take 16mm roll, cartridge, ANSI/C clip, 35mm roll, jacket or fiche. Media is divided using special metal drawer dividers to enable three rows of cartridge/roll or two rows of fiche/jackets to be held in each drawer. Internal Drawer Dimensions: 110mmH x 327mmW x 576mm front to back, comes with two dividers. Colour: two tone grey.

PRODUCT CODE	501-BMH5 5 DRAWER	501-BMH7 7 DRAWER	501-BMH10 10 DRAWER	SPARE DIVIDERS
Price	£660.00	£820.00	£1035.00	£2.80 each
Height	730mm	980mm	1355mm	
Width	430mm	430mm	430mm	
Depth	630mm	630mm	630mm	
Weight	19lb (54Kg)	172lb (78Kg)	220lb (100Kg)	
Capacities:				
Drawer Size	110mm H x 327mm W x 576mm front to back			
Fiche	25,000	35,000	50,000	
Jacket	18,250	25,550	36,500	
	16mm Roll/Cart 330	16mm Roll/Cart 462	16mm Roll/Cart 660	
	35mm Roll 195	35mm Roll 273	35mm Roll 390	



*Caution:* Manufacturer's filing cases can vary, please ensure drawer dimensions are adequate. Delivery is to ground floor first door only. For installation beyond this point you should contact our customer service department.



➤ **Postcard Storage Cabinet**

This archival quality cabinet has been especially produced for PEL who worked with archivists to design a cabinet that would house various sizes of postcards. The drawers have metal dividers to provide storage channels of widths to suit an assortment of sizes. Available in either 4 or 6 drawers, the internal drawer width is 442mm. The channel width can be adjusted to various sizes by inserting the metal drawer divider into the appropriate slot at the front and back of each drawer. A unique feature of the PEL cabinet is the fully opening drawer which opens completely to the back of the drawer to avoid damage when removing contents. For safety reasons only one drawer can be opened at one time to prevent the cabinet tipping forward. The drawer and channel sizes have been designed to take postcards with or without sleeve protectors, we recommend our archival ones are used.

<b>PRODUCT CODE:</b>	501-4000 (Four Drawer)	<b>£599.00</b>
<b>COLOUR</b>	Two-tone Coffee/Cream	
<b>DIMENSIONS</b>	785mm H x 575mm W x 635mm front to back	
<b>DRAWER SIZE</b>	155mm H x 475mm W x 575mm front to back	
<b>WEIGHT</b>	53kg	

<b>PRODUCT CODE:</b>	501-6000 (Six Drawer)	<b>£720.00</b>
<b>COLOUR</b>	Two-tone Coffee/Cream	
<b>DIMENSIONS</b>	1126mm H x 575mm W x 635mm front to back	
<b>DRAWER SIZE</b>	155mm H x 475mm W x 575mm front to back	
<b>WEIGHT</b>	73kg	



➤ **Kik-Step Stools**

These stools roll on non-marking casters while bumpers protect fittings and walls. Step up, and the instant you apply weight to the platform, the spring loaded casters retract and the rubber base ring locks to the floor. Step off, and the instant the user's weight is completely removed, the casters extend and the Kik-Step is ready to roll. Made of heavy gauge metal. Colour: grey only.

PRODUCT CODE:	COLOUR	PRICE
406-0098	Grey	£39.50
Dimensions	420mm (16 1/2") High, 286mm (11.25") Top Dia. 410mm (16.14") Base Dia. Weight 4.25kg	



➤ **Fire Filing Cabinet**

**Proven Fire Performance. 2 hour protection for documents.**

In addition to the manufacturers own stringent fire testing. Fire file cabinets are independently tested to NT 017 5120 paper standard for 2 hour fire protection.

- Furnace exposure to over 1000°C.
- Slow cooling to simulate being buried in hot rubble.
- A 9.1m drop test duplicates conditions of a floor collapsing in a fire, (a test that the Fire File passes due to the high integral strength of its design). At no stage during the test did the internal temperature of the cabinet exceed the safe storage temperature for paper: 170°C.

**Construction for the purpose**

Available in two, three or four drawer sizes, three robust filing cabinets contain a minimum of 38mm of fire proofing all round, with intumescent seals around drawer to close up tolerances in the event of fire. Fire resistant bulkheads between each drawer ensure that they are individually insulated. A shock absorbing plinth provides maximum impact absorption in the case of floor collapse. Heavy duty drawer slides are fully 'life tested' and a day catch fitted to each drawer ensures that they stay shut even if the cabinet is unlocked during a fire. Drawers are designed to ensure smooth operation.

**Protection built-in**

Each drawer is individually protected from fire. Even if one of the drawers is accidentally left open, the other closed drawers are still protected by the built-in, fire resistant partitions. The drawers are fitted with sturdy suspension files adjustable to accommodate foolscap or A4 filing wallets. Comes with unique locking action.

**Quality locking**

The standard version of the cabinet has a Chubb Ava key lock, fitted to the top drawer for securing all the drawers. Key lock as standard. The Fire File is available in a choice of two, three or four drawer sizes.

<b>Product Code</b>	521-2406	<b>£1746.00</b>
<b>No. of drawers</b>	4	
<b>External Size (mm)</b>	1510H x 551W x 779D	<b>Int. Drawer Size (mm)</b> 291H x 387W x 619D
<b>Capacity</b>	272 litres	<b>Weight</b> 328kg

<b>Product Code</b>	521-2303	<b>£1091.00</b>
<b>No. of drawers</b>	3	
<b>External Size (mm)</b>	1147H x 551W x 779D	<b>Int. Drawer Size (mm)</b> 290H x 387W x 604D
<b>Capacity</b>	204 litres	<b>Weight</b> 273kg

<b>Product Code</b>	521-2203	<b>£1309.00</b>
<b>No. of drawers</b>	2	
<b>External Size (mm)</b>	784H x 551W x 779D	<b>Int. Drawer Size (mm)</b> 290H x 387W x 604D
<b>Capacity</b>	136 litres	<b>Weight</b> 197kg



**Fire Record Protection Cabinets**

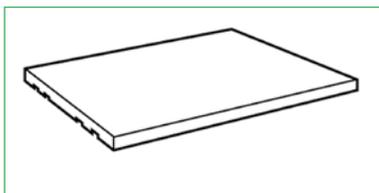
For the best in secure storage of documents against the destruction of fire, pilferage and other damage - PEL Record Protection Cabinet Range has been designed for generous storage of personal records, certification and other vital documentation.

Steel filing cabinets offer very little protection against fire, and transmit heat, rather than dissipating it. The Record Protection Cabinet Range has been expertly designed & manufactured to protect vital documents from exposure to such hazards.

- Tested to the highest standards
- Available in five sizes, each cabinet has gained the NT 017 5120 Standard fire test label which affords 2 hours protection against fire for documents and paper.
- Monolithic construction of fire testing resisting barrier material affords maximum protection.
- Internal temperatures limited to 170°C after 2 hours of exposure to severe fire.
- Quality locks and fittings
- Cabinets are available with a wide capacity, cost effective fittings including shelves, pullout platform, pullout file frame.
- Available in five sizes.
- Wide range of fittings to allow effective methods of paper storage.
- Slam shut action providing peace of mind that the cabinet is sealed when closed.
- High capacity storage.
- Key locking as standard.
- Alternative locking available.
- All cabinets are finished in a light textured finish to suit all working environments.

PRODUCT CODE	EXT. DIMENSIONS (MM)	INTERNAL DIMENSIONS (MM)	INT. VOLUME LT.	WEIGHT KG	PRICE
521-1820	859H x 759W x 549D	700H x 600W x 382D	160	235	£1,637.00
521-2340	1209H x 759W x 549D	1050H x 600W x 382D	240	313	£1,965.00
521-3720	1559H x 759W x 549D	1400H x 600W x 382D	321	391	£2,401.00
521-4620	1909H x 759W x 549D	1750H x 600W x 382D	401	470	£2,838.00

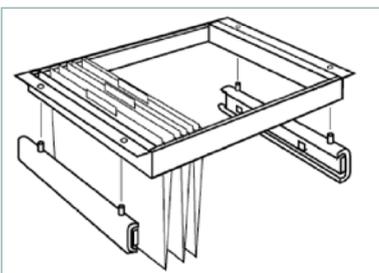
Delivery is to ground floor first door only. For installation beyond this point you must contact our customer service department.



**Fittings For Record Protection Cabinet**

**A. SHELVING FOR RECORD PROTECTION CABINETS**

<b>Cabinet</b>	521-1820	521-3720	521-4620	521-2340
<b>Shelf Product Code</b>	521-1821	521-3721	521-4621	521-2341
<b>Description</b>	Shelf	Shelf	Shelf	Shelf
<b>Size H x W x D (mm)</b>	17 x 594 x 432			
<b>Price</b>	£22.00	£22.00	£22.00	£22.00



**B. PULL OUT A4 FILE FRAMES FOR RECORD PROTECTION CABINETS**

<b>Cabinet</b>	521-1820	521-3720	521-4620	521-2340
<b>Product Code</b>	521-1823	521-3723	521-4623	521-2343
<b>Description</b>	File Frame	File Frame	File Frame	File Frame
<b>Size H x W x D (mm)</b>	75 x 567 x 357			
<b>Price</b>	£99.00	£99.00	£99.00	£99.00

Secure Professional Safe

The Secure Professional Safe offers affordable theft and 30 minutes fire protection for important documents and other treasures. This high quality burglary and fire resistance box has a double walled construction that provides extra security. Manufactured to the European Standard EN 14450. Cash rating £4000.00. Thermal insulation protects valuables and documents from fire.

Supplied with anchoring kit for securing at the base and the rear to the floor and/or wall. Every safe comes complete with installation instructions and fixing kit available in five sizes. Removable shelf with all models except 3010. The key lock complies with EN 14450, Vds Class 1 rated.

<b>PRODUCT CODE</b>	<b>501-3020</b>	<b>£263.00</b>
External (HxWxD)	270mm x 350mm x 345mm	
Internal (HxWxD)	190mm x 270mm x 240mm	
Weight	34kg	
<b>PRODUCT CODE</b>	<b>501-3030</b>	<b>£345.00</b>
External (HxWxD)	320mm x 440mm x 395mm	
Internal (HxWxD)	240mm x 360mm x 290mm	
Weight	48kg	
<b>PRODUCT CODE</b>	<b>501-3040</b>	<b>£390.00</b>
External (HxWxD)	410mm x 460mm x 395mm	
Internal (HxWxD)	330mm x 380mm x 290mm	
Weight	58kg	
<b>PRODUCT CODE</b>	<b>501-3050</b>	<b>£479.00</b>
External (HxWxD)	610mm x 460mm x 395mm	
Internal (HxWxD)	530mm x 380mm x 290mm	
Weight	77kg	



Hazardous Storage

Hazardous substance storage cupboards provide a secure facility for materials which are required to be stored when not in use. Supplied with appropriate safety labelling, the highly visible yellow colour also ensures awareness of the potential danger of the materials stored and makes location easy.

Hazardous cupboards are manufactured throughout from steel, available in full or half height. The secure storage cupboards are epoxy powder coated in RAL 1003 yellow, supplied with safety labelling accordance with BS 5378 solid adjustable shelves. The cupboards are independently assessed to conform to HSG51 and SR24.

PRODUCT CODE	DIMENSIONS	STYLE	PRICE
502-0421	1070mmH x 480mmW x 505mmD	2 shelf, narrow small	£211.85
502-0422	1820mmH x 480mmW x 505mmD	3 shelf, narrow tall	£293.55
502-0431	984mmH x 915mmW x 505mmD	2 shelf, wide small	£317.42
502-0432	1820mmH x 915mmW x 505mmD	3 shelf, wide tall	£432.65





2 x 5 (50mm) drawer units shown stacked



REAR CHANNEL



STEEL BEARINGS

### Heavy Duty Steel Draw Cabinets

Heavy duty drawer filing cabinets ideal for large items such as plans and maps, or collections. Often drawers are infilled with plastazote shape-able foam to offer collections further protection from movement.

- 4 steel bearing roller drawer action provides ultra-smooth drawer operation.
- Drawer load weights are up to 75kg per drawer allowing for larger and heavier items to be safely stored.
- Full width drawer handles for ease of use
- Available in 4, 5, 6, 7 and 8 drawer units
- The 50mm deep drawers are fully lockable and fitted with anti-tilt mechanism
- All steel construction allowing units to be stacked without brackets
- Content identification is made simple by label holders positioned on the drawer fronts.
- Colours can be mix and match for panels, frame and drawers.
- Available in light grey, dark grey, mid grey, white, beige, brown, blue and red.
- Rear curl on drawers to prevent papers or fabrics curling and becoming damaged or trapped in draw movement.

PRODUCT CODE:	501-0041	501-0051	501-0061	501-0071	501-0081
Price	£699.00	£799.00	£849.00	£949.00	£1049.00
No. of drawers	4	5	6	7	8
internal drawer size is	50mm x 900mm x 1225mm for all variations.				
height	359mm	434mm	509mm	584mm	659mm
width	1326mm	1326mm	1326mm	1326mm	1326mm
depth (front to back)	920mm	920mm	920mm	920mm	920mm
weight	120kg	135kg	150kg	165kg	180kg
colours	light grey, dark grey, mid grey, blue, white, beige and brown.				

501-00PL plinth 2" (50mm) to act as base on the bottom of cabinet £118.00



Both cabinets available in the RAL colours shown (left) Paintwork is conservation quality powder coated which does not off gas making the cabinet archivally safe. RAL REF#: 7036, 7035, 8003, 3000, 9005, 7038, 9016, 1015, 5017

### Extra Large Museum Drawers

British made to PEL conservation specification. Full drawer extension slides with steel roller bearings and dust shields.

- Heavy Duty storage cabinet for large format papers or keeping large collections.
- Store large material or objects up to 2.5 meters wide with a maximum depth of 1.6 meters making this **one of the largest storage cabinets in the world.**
- Constructed from high grade steel ( 1.5mm - 2.5mm) this gives the cabinet complete stability when storing heavy items and can be stacked for maximum storage requirements.
- The deep drawers (70mm - 250mm) have a triple runners system that has the capability to hold 70Kg -100Kg per drawer and be fully extended in use.
- Extremely strong runner system (8 bearings per drawer) which is easy to clean.
- Laminated Safety Glass drawer tops are also available for secure visible storage display.
- We can supply the drawers with drop down fronts for easy storage of heavy items enabling them to slide in or out of the drawer unit without lifting them over the drawer front.

Please note: mid grey will be delivered if colour is not specified on the purchase order. Available in RAL colours as above.



High capacity triple runner system for heavy loads

PRODUCT CODE	NO. OF DRAWERS	DRAWER HEIGHT	DRAWER SIZE FTB x LTR	PRICE
597-7710	7	70mm	700 x 1000	£2673.00
597-10710	6	100mm	700 x 1000	£2502.00
597-15710	4	150mm	700 x 1000	£1823.00
597-1588105	5	150mm	880 x 1040	£2613.00
597-158615	5	150mm	865 x 1500	£2261.00
597-258615	5	250mm	865 x 1500	£2450.00
597-7913	7	70mm	900 x 1300	£2810.00
597-10913	6	100mm	900 x 1300	£2639.00
597-15913	4	150mm	900 x 1300	£1920.00
597-79147	7	70mm	900 x 1400	£3078.00
597-791411	11	70mm	900 x 1400	£4836.00
597-79149	9	70mm	900 x 1400	£3958.00
597-110154	4	100mm	1000 x 1500	£1930.00
597-110155	5	100mm	1000 x 1500	£2412.00
597-71216	5	70mm	1290 x 1610	£2639.00
597-101216	5	100mm	1290 x 1610	£2890.00
597-113187	7	100mm	1380 x 1840	£4407.00
597-71510	5	70mm	1500 x 1050	£2356.00
597-101521	5	100mm	1500 x 2133	£3454.00
597-117694	4	100mm	1776 x 690	£1930.00
597-1517692	2	150mm	1776 x 690	£1382.00



Both cabinets feature a rear curl on each draw to prevent papers from curling or contents being trapped in operation

### Map & Poster Cabinets

These continental styled cabinets are British made especially for PEL to our conservation quality specification. The paintwork is powder coated which does not off gas making the cabinet archivally safe. All steel construction the drawers are 50mm internal depth and will take a weight of 75kg per drawer. Our superb steel roller bearing mechanism gives the smoothest of drawer operations, the action is quiet and feather light. Traditional drawer handles for ease of use, the drawers are fully lockable and are fitted with an anti-tilt device. Rear curl on each drawer to prevent contents from becoming trapped. Units can be stacked to allow for extra capacity 10 or 14 drawer options.

**Please note that you will require a *plinth base and top panel* for each stack of drawers. For example if you require 10 drawers you need to order:**

- 2 x 501-1015            5 drawer cabinets
- 1 x 501-10PL        100mm high plinth
- 1 x 501-00TP        Top panel

If in doubt contact our customer service department for assistance.

PRODUCT CODE:	NO. OF DRAWERS	DRAWER SIZE (MM)	CABINET SIZE HxWxD (MM)	PRICE
501-1015	5 x 50mm	730 x 1030	550 x 1130 x 795	£828.00
501-1017	7 x 50mm	730 x 1030	705 x 1130 x 795	£1115.00
501-1005	5 x 50mm	920 x 1300	550 x 1400 x 965	£853.00
501-1007	7 x 50mm	920 x 1300	705 x 1400 x 965	£1169.00
501-10PL	Plinth Base, 100mm high, Required for each stack			£118.00
501-00TP	Top Panel, required for top of each stack			£105.00



2 x 12 (25mm) drawer units shown stacked



Both cabinets available in the RAL colours shown (left) Paintwork is conservation quality powder coated which does not off gas making the cabinet archivally safe. RAL REF#: 7036, 7035, 8003, 3000, 9005, 7038, 9016, 1015, 5017

### Horizontal Plan File Cabinets

We have been supplying these conservation quality cabinets for a number of years to Libraries, Museums and Archives who require archival quality storage, for larger papers, textiles, charts, maps, posters and drawings.

Our Rollerglide drawer system is only available with 50mm & 70mm deep drawers, steel rollers give optimum smooth drawer operation.

The Sureglide range is available with 25mm draw depth, the shallow drawer is especially useful when only a small amount of rare paper or single textile are placed in one drawer.

Retaining channel at back of each drawer prevents charts, maps etc from curling upwards avoiding damage when opening drawers.

- Draw load up to 30Kg for 25mm or 40Kg for 50mm
- High quality all-steel construction
- Index card holder for easy referencing
- Cabinets can be stacked on top of each other
- Colours can be mix and match for panels, frame and drawers.

- Legs 250mm high for raising the cabinet to a working height.
- Plinth 102mm high allows the cabinet to be raised to allow the bottom drawer to be higher from the floor
- Security Locks lock all drawers on the cabinet

**501-00PL** plinth 2" (50mm) to act as a floor base on the bottom of cabinet £115.00

**501-00LG** legs 250mm high for horizontal cabinets £107.00

**501-00LK** security lock for horizontal cabinets

CABINET SIZES		SureGlide Cabinets			RollerGlide Cabinets				
DRAWER DIMENSIONS FTB/LTR	CABINET DIMENSIONS (MM) HxWxD	SUREGLIDE PRODUCT CODE	NO. OF DRAWERS	DEPTH OF DRAWERS (MM)	ROLLERGLIDE PRODUCT CODE	NO. OF DRAWERS	DEPTH OF DRAWERS (MM)		
670 x 900	488 x 1016 x 730	501-A110	10	25	£893.00	501-A105	5	50	£839.00
670 x 900	560 x 1016 x 730	501-A112	12	25	£1,067.00	501-A106	6	50	£1,049.00
670 x 900	630 x 1016 x 730	501-A114	14	25	£1,272.00	501-A107	7	50	£1,216.00
670 x 900	720 x 1016 x 730	501-A116	16	25	£1,421.00	501-A108	8	50	£1,400.00
900 x 1010	488 x 1126 x 960	501-OS10	10	25	£1,067.00	501-OS05	5	50	£894.00
900 x 1010	560 x 1126 x 960	501-OS12	12	25	£1,203.00	501-OS06	6	50	£1,076.00
900 x 1010	630 x 1126 x 960	501-OS14	14	25	£1,502.00	501-OS07	7	50	£1,257.00
900 x 1010	720 x 1126 x 960	501-OS16	16	25	£1,720.00	501-OS08	8	50	£1,421.00
900 x 1240	488 x 1350 x 960	501-AO10	10	25	£1,067.00	501-AO05	5	50	£894.00
900 x 1240	560 x 1350 x 960	501-AO12	12	25	£1,203.00	501-AO06	6	50	£1,076.00
900 x 1240	630 x 1350 x 960	501-AO14	14	25	£1,502.00	501-AO07	7	50	£1,257.00
900 x 1240	720 x 1350 x 960	501-AO16	16	25	£1,720.00	501-AO08	8	50	£1,421.00
900 x 1390	488 x 1506 x 960	501-AQ10	10	25	£1,067.00	501-AQ05	5	50	£986.00
900 x 1390	560 x 1506 x 960	501-AQ12	12	25	£1,203.00	501-AQ06	6	50	£1,178.00
900 x 1390	630 x 1506 x 960	501-AQ14	14	25	£1,502.00	501-AQ07	7	50	£1,382.00
900 x 1390	720 x 1506 x 960	501-AQ16	16	25	£1,720.00	501-AQ08	8	50	£1,587.00
1290 x 1610	560 x 1750 x 1400					501-AQ04	4	70	£1,200.00
1290 x 1610	475 x 1750 x 1400					501-AQ03	3	70	£950.00

▶ **PEL Map & Poster Cabinets**

The PEL Cabinet is based on a proven system which will give years of trouble-free service, the security lid is fully lockable. The two position opening system eliminates the possibility of maps falling into the cabinet, the first position allows you to move the maps so that you can remove just one map, by moving to the second position simply lift out the map.

Extending feet keep the cabinet upright and stable even with all the weight on the open door, which is counter-balanced and easy to open and close whatever the weight. 170mm prong centres. 8 prongs in portrait. 12 prongs in landscape.

*Suspension tapes for hanging of polyester wallets, and polyester wallets of the correct size for this cabinet are listed below.*

PRODUCT CODE	HEIGHT	INT. SIZE	WIDTH	DEPTH	ORIENTATION	PRICE
501-4060	1200mm	680mm	790mm	430mm	portrait	£986.00
501-4084	1380mm	910mm	1020mm	430mm	portrait	£1035.00
501-4120	1200mm	1290mm	1400mm	430mm	landscape	£1228.00
502-6227	Suspension Tape: 100m Roll					£53.80

**CLEAR ARCHIVAL POLYESTER SUSPENSION WALLETS**

PRODUCT CODE	SIZE	SUITS CABINET	QTY	PRICE
565-5137	1320 x 955mm open side	501-4120	10	£71.00
565-4733/1	841 x 1200mm open side	501-4084	10	£79.00
565-3724/1	625 x 955mm open side	501-4060	10	£53.00



Cabinets available in the RAL colours shown (left) Paintwork is conservation quality powder coated which does not off gas making the cabinet archivally safe. **RAL REF#:** 7036, 7035, 8003, 3000, 9005, 7038, 9016, 1015, 5017

▶ **Multifile**

Multifile vertical cabinet to file A0 to A4 papers, charts etc. in one single cabinet. Fitted with anti-tilt legs and gas struts to the lid for complete safety. It is compatible with all cabinets using similar 60mm prong centres. The security lid is fully lockable and its low height makes access easy - even for the smallest member of staff. The capacity is in excess of 900 papers of mixed sized from A0 1189 x 841mm down to A4, 297mm x 210mm.

*Suspension tapes for hanging of polyester wallets in this cabinet are listed below.*

PRODUCT CODE:	SIZE (MM)	ORIENTATION	PRICE
501-4150	1200H x 1500W x 430D	landscape	£1509.00
501-4102	1380H x 1060W x 430D	portrait	£1182.00
501-4079	1200H x 790W x 430D	portrait	£1101.00
Standard RAL colours available 7036, 7035, 8003, 3000, 9005, 7038, 9016, 1015, 5017			
502-6226	suspension tape 55m x 100m roll		£53.80

**PEL-File Vertical Cabinet**

Preserving and archiving original and rare drawings, posters, maps and prints with easy access is exactly why we introduced the PEL-File. Archivists, Librarians, Curators and Conservators have requested PEL to provide this system. Hanging is an effective way to archivally store large paper items in a conservation condition, whilst obtaining optimum storage space and good security. Using our 75 micron archival film pockets allows removal and research without having to remove the document from the pocket. Damage frequently occurs when papers are removed and re-inserted, this system prevents such damage.

*The operation of the cabinet is simple:*

1. Open cabinet to automatic stop position
2. Locate drawing/print required.
3. Place selector bar in position to isolate required print.
4. Release lock and open cabinet fully.
5. Extract required print through cabinet side opening.
6. For security, close and lock cabinet if required.

Designed for maximum safety, with efficiency and high volume archival capacity. Vertical side opening for ease of drawing removal. Overlapping lid and cabinet seal store contents clean and safe. With simple easy access. Solid hanging bar and prong 170mm centres configuration for use with 502-6227 (5FG170) suspension tape.



OPERATION OF CABINET: STAGE 1



OPERATION OF CABINET: STAGE 2

PRODUCT CODE:	501-8A1P	501-8A0P	501-8A0L	501-A0LX
Price	£1133.00	£1226.00	£1407.00	£1788.00
External height	1200mm	1390mm	1200mm	1000mm
External width	870mm	1070mm	1355mm	1610mm
depth (front to back)	500mm	500mm	500mm	500mm
weight	140kg	160kg	160kg	180kg
format	portrait	portrait	landscape	landscape
colours	light grey, dark grey, white, beige, brown, other colours on request.			



Cabinets available in the RAL colours shown (left) Paintwork is conservation quality powder coated which does not off gas making the cabinet archivally safe. RAL REF#: 7036, 7035, 8003, 3000, 9005, 7038, 9016, 1015, 5017

Please specify colour on purchase order, if no colour specified standard light grey will be delivered.

**POLYESTER HANGING POCKETS (FOR USE WITH SUSPENSION TAPE)**

Product Code:	565-6086	565-9011	565-11786	565-14586
Price pack 10	£35.00	£58.00	£60.00	£71.00
size (mm)	600 x 860 open	900 x 1100 open	1170 x 860 open	1450 x 860 open
fits cabinets	501-8A1P	501-A0PF & 501-8A0P	501-8A0L	501-A0LX
Suspension Tape	501-8FD4	170mm hole centres 55mm 100m roll		£53.80

The hanging pockets have one vertical open side.

Delivery is to ground floor (no steps) first door only. For installation beyond this point you must contact our customer service department for a quotation.

Each cabinet will hold 500 plus maps inside polyester hanging pockets. This is a workable quantity you may get more especially maps without pockets.

**Cabinet (pictured right)**

These Entomology Cabinets are manufactured to a very high specification. Designed to take existing entomology trays size 446 x 443 x 57mm, with 20 tray spaces per cabinet. The lockable door has a seal to keep out possible infestation, thus keeping your collection safe and secure. The door is fitted with a lockable handle and metal identification label holder.

<b>PRODUCT CODE:</b>	<b>501-7000</b>	<b>£499.00</b>
<b>Colour</b>	Light Grey	
<b>Dimensions</b>	521mm W x 523mm L x 1508mm H	
<b>Drawer Size</b>	to take 446mm x 443mm x 57mm	
<b>Weight</b>	66 kilo	

*Caution: Delivery is to ground floor first door only. For installation beyond this point you should contact our customer service department.*

**Entomology Trays**

Made from American Lime, which is recognised as the most suitable wood for entomology. The trays have a glass lid in a tongued and grooved top, and lined with white Plastazote inert foam. These entomology trays are well known and are of an existing size already used in various Natural History Museums.

<b>PRODUCT CODE:</b>	<b>PRICE</b>
501-7402	Plastazote Lined (446 x 443 x 57mm) £72.50

**Geology Cabinet**

This cabinet is the same outside as the entomology cabinet, but with open metal drawers. Already installed for rare gemstone collection in Yorkshire. Drawers have overall dimension 456 wide x 490mm deep (front to back) and have 12 drawers per cabinet. We suggest drawer liner such as Plastazote or Polyfelt is used to protect specimens. No doubt other types of conservation storage within museums will be used for this cabinet. The lockable sealed door will keep out unwanted infestation and could be used with Art-Sorb to control humidity. A double plinth is available to support two cabinets secured together.

<b>PRODUCT CODE:</b>	<b>501-7012</b>	<b>£699.00</b>
<b>Colour</b>	Light Grey	
<b>Dimensions</b>	510mm W x 520mm D x 1695mm H	
<b>Drawer Size</b>	456mm x 490mm x 122mm (50mm at front)	
<b>Drawer Quantity</b>	12 Drawers	
<b>Weight</b>	66 kilo	

**Really Useful Box - Archiving Shelf Kits**

Due to the success of the Really Useful Boxes we can now offer racking designed by PEL together with our racking manufacturer. The shelves are especially made for the boxes. The paint is of conservation standard and does not off gas, making the archive racking suitable for museum storage and archiving. The kits are supplied flat packed and are easy to assemble.

Really Useful Box storage bays can be used with other sizes of boxes to suit your requirements. Each shelf will take 78kg. Please be aware that weights quoted are for uniformly distributed weights. Graphite grey uprights with light grey shelves.

Please note, prices are for shelving only. Boxes ordered separately.

PRODUCT CODE	SIZE (MM)	BOXES	SHELVES	PRICE
502-0704	1850H x 900W x 450D	10 x 35 litres	4	£129.35
502-0705	1850H x 900W x 370D	48 x 4 litres	5	£148.85
502-0706	1850H x 900W x 450D	10 x 35 litres	6	£159.20



**Entomology Pins**

The black hardened steel specimen pins have a lacquered finish that guards against rust. Two thicknesses are available, each measures 38mm in length. The stainless steel pins are smooth and are preferred by some customers.

PRODUCT CODE	THICKNESS	LENGTH	QTY	FINISH	PRICE
023-0055	0.55mm	38mm	500	black	£8.95
023-0530	0.53mm	38mm	500	S/Steel	£15.40



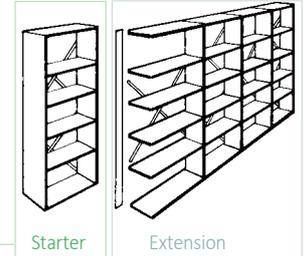
For Really Useful Boxes see page 30



SELF ASSEMBLY  
BAY LOAD 500KG

Clip-On Shelves

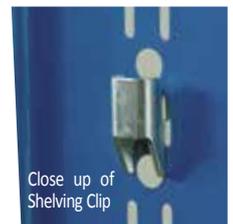
Faster Installations, Ease of Adjustability, Combines Strength with Stability, shelf capacity 70kg, No need to move bays in alcoves to adjust height of shelves, Suitable for Rare Books, Shelves can still be fitted with Nuts and Bolts, if required - Just ask!, New shelving in Light Grey Colour, Dividers available for small collections, Simple to extend for new acquisitions.



Bay Width	1850mm High x 1000mm Wide		1850mm High x 1000mm Wide	
	Starter		Extension	
Bay Depth	Product Code	Price	Product Code	Price
<b>Cross Braced</b>	<i>Cross Braced</i>		<i>Cross Braced</i>	
300mm	502-0313	£130.35	502-0319	£106.10
370mm	502-0314	£147.80	502-0320	£119.80
450mm	502-0315	£163.10	502-0321	£132.35
<b>Fully Clad</b>	<i>Fully Clad</i>		<i>Fully Clad</i>	
300mm	502-0316	£170.25	502-0322	£145.95
370mm	502-0317	£187.70	502-0323	£159.65
450mm	502-0318	£203.00	502-0324	£172.25

EXTRA SHELVES  
PACKED SINGULARLY WITH 4 SHELF CLIPS

Extra Shelves	Extra Shelves	Extra Shelves
1000 x 300mm	1000 x 370mm	1000 x 450mm
Product Code 502-0337	Product Code 502-0338	Product Code 502-0339
Price £11.00	Price £12.65	Price £14.30



Close up of  
Shelving Clip

Finished in light grey they come complete with all necessary fixings. The bays are supplied with 6 shelves and the relevant rear bracing or cladding. Bays are 36" wide with a choice of heights and depths. Shelf load capacity is 200lb UDL.



Reference Shelf

This handy pull out shelf is ideal for file reference.

PRODUCT CODE	DESCRIPTION	PRICE
502-0340	1000mm x 370mm	£130.60
502-0341	1000mm x 450mm	£137.55

BIOCOTE

BioCote is a new, patent-protected powder coating which inhibits the growth of potentially lethal bacteria and fungi. This reduces the risk of cross-contamination from surfaces with high contact frequency. Although this is no substitute for correct cleaning practices, the incorporation of BioCote into the manufacturing process provides users of our products with the peace of mind that every effort is being made to maintain a hygienic working environment.



➤ **Museum Longspan Shelving**



Heavy duty shelving ideal for heavier museum collections. Offers unrestricted access from both front and back. Easy to install and adjust, beams simply clip into frame upright. Choice of shelf materials to suit different applications and loads.

**Supplied as a complete kit - Containing;** beams, locking clips, cladding material and where applicable wire beam ties are finished in light grey. All panels are galvanised. Note: chipboard is non-archival, we suggest using steel shelves for conservation quality.

**Starter and extension bays:**

*Starter bay contains;* 2 up-right frames, 3 pairs of beams and your choice of 3 shelves. *Extension bays contain;* 1 up-right frame, 3 pairs of beams and your choice of 3 shelves.

PRODUCT CODE	LOAD WEIGHT (KG)	DIMENSIONS	PRICE
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**LONGSPAN OPEN BAYS WITH 18mm CHIPBOARD SHELVES 1800mm HIGH**

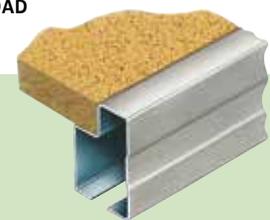
504-0001	397kg	1800mm x 1800mm x 600mm Starter Bay 3 Levels	£319.95
504-0002	463kg	1800mm x 2100mm x 600mm Starter Bay 3 Levels	£351.25
504-0003	464kg	1800mm x 2400mm x 600mm Starter Bay 3 Levels	£374.65
504-0011	397kg	1800mm x 1800mm x 600mm Extension Bay 3 Levels	£254.15
504-0012	463kg	1800mm x 2100mm x 600mm Extension Bay 3 Levels	£285.45
504-0013	464kg	1800mm x 2400mm x 600mm Extension Bay 3 Levels	£308.85
504-0004	145kg	1800mm x 1800mm x 900mm Starter Bay 3 Levels	£344.30
504-0005	169kg	1800mm x 2100mm x 900mm Starter Bay 3 Levels	£378.75
504-0006	193kg	1800mm x 2400mm x 900mm Starter Bay 3 Levels	£402.25
504-0014	145kg	1800mm x 1800mm x 900mm Extension Bay 3 Levels	£273.25
504-0015	169kg	1800mm x 2100mm x 900mm Extension Bay 3 Levels	£307.70
504-0016	193kg	1800mm x 2400mm x 900mm Extension Bay 3 Levels	£331.20

**LONGSPAN OPEN BAYS WITH 18mm CHIPBOARD SHELVES 2100mm HIGH**

504-0022	397kg	2100mm x 1800mm x 600mm Starter Bay 3 Levels	£344.65
504-0023	463kg	2100mm x 2100mm x 600mm Starter Bay 3 Levels	£371.95
504-0024	464kg	2100mm x 2400mm x 600mm Starter Bay 3 Levels	£367.00
504-0221	397kg	2100mm x 1800mm x 600mm Extension Bay 3 Levels	£266.45
504-0223	463kg	2100mm x 2100mm x 600mm Extension Bay 3 Levels	£293.80
504-0224	464kg	2100mm x 2400mm x 600mm Extension Bay 3 Levels	£321.20
504-0025	145kg	2100mm x 1800mm x 900mm Starter Bay 3 Levels	£370.75
504-0026	169kg	2100mm x 2100mm x 900mm Starter Bay 3 Levels	£400.10
504-0027	193kg	2100mm x 2400mm x 900mm Starter Bay 3 Levels	£423.70
504-0225	145kg	2100mm x 1800mm x 900mm Extension Bay 3 Levels	£286.10
504-0226	169kg	2100mm x 2100mm x 900mm Extension Bay 3 Levels	£315.45
504-0227	193kg	2100mm x 2400mm x 900mm Extension Bay 3 Levels	£344.85

**18mm chipboard shelving**

**MAXIMUM LOAD  
145KG - 464KG**



**EXTRA 18MM SHELF LEVEL**  
2 x beams, wire tie and shelf

PRODUCT CODE	SIZE	PRICE
504-1186	1800 x 600mm	£64.35
504-1216	2100 x 600mm	£74.15
504-1246	2400 x 600mm	£82.80
504-2186	1800 x 900mm	£67.20
504-2216	2100 x 900mm	£76.70
504-2246	2400 x 900mm	£85.40

**EXTRA UPRIGHT FRAME WITH X2 FOOTPLATES**

504-1860	1800H x 600D mm	£65.35
504-1890	1800H x 900D mm	£70.70
504-2160	2100H x 600D mm	£77.00
504-2190	2100H x 900D mm	£84.70

**PRODUCT CODE    LOAD WEIGHT (KG)    DIMENSIONS    PRICE**

*LONGSPAN OPEN BAYS WITH 25mm CHIPBOARD SHELVES 1800mm HIGH*

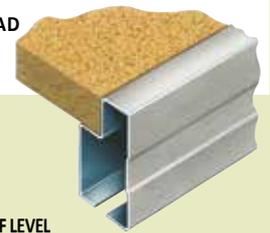
504-0051	914kg	1800mm x 1800mm x 600mm Starter Bay 3 Levels	£368.50
504-0052	1067kg	1800mm x 2100mm x 600mm Starter Bay 3 Levels	£403.35
504-0053	872kg	1800mm x 2400mm x 600mm Starter Bay 3 Levels	£437.35
504-0551	345kg	1800mm x 1800mm x 600mm Extension Bay 3 Levels	£302.25
504-0552	403kg	1800mm x 2100mm x 600mm Extension Bay 3 Levels	£337.55
504-0553	460kg	1800mm x 2400mm x 600mm Extension Bay 3 Levels	£371.55
504-0054	914kg	1800mm x 1800mm x 900mm Starter Bay 3 Levels	£396.45
504-0055	1067kg	1800mm x 2100mm x 900mm Starter Bay 3 Levels	£433.85
504-0056	872kg	1800mm x 2400mm x 900mm Starter Bay 3 Levels	£471.15
504-0554	345kg	1800mm x 1800mm x 900mm Extension Bay 3 Levels	£325.40
504-0555	403kg	1800mm x 2100mm x 900mm Extension Bay 3 Levels	£362.80
504-0556	460kg	1800mm x 2400mm x 900mm Extension Bay 3 Levels	£400.15

*LONGSPAN OPEN BAYS WITH 25mm CHIPBOARD SHELVES 2100mm HIGH*

504-0061	914kg	2100mm x 1800mm x 600mm Starter Bay 3 Levels	£392.80
504-0062	1067kg	2100mm x 2100mm x 600mm Starter Bay 3 Levels	£427.35
504-0063	872kg	2100mm x 2400mm x 600mm Starter Bay 3 Levels	£462.00
504-0661	345kg	2100mm x 1800mm x 600mm Extension Bay 3 Levels	£314.65
504-0662	403kg	2100mm x 2100mm x 600mm Extension Bay 3 Levels	£349.20
504-0663	460kg	2100mm x 2400mm x 600mm Extension Bay 3 Levels	£383.85
504-0064	914kg	2100mm x 1800mm x 900mm Starter Bay 3 Levels	£423.70
504-0065	1067kg	2100mm x 2100mm x 900mm Starter Bay 3 Levels	£461.05
504-0066	872kg	2100mm x 2400mm x 900mm Starter Bay 3 Levels	£498.50
504-0664	345kg	2100mm x 1800mm x 900mm Extension Bay 3 Levels	£423.70
504-0665	403kg	2100mm x 2100mm x 900mm Extension Bay 3 Levels	£345.87
504-0666	460kg	2100mm x 2400mm x 900mm Extension Bay 3 Levels	£413.85

**25mm chipboard shelving**

**MAXIMUM LOAD  
345-1067KG**



**EXTRA 25MM SHELF LEVEL**  
2 x beams, wire tie and shelf

PRODUCT CODE	SIZE	PRICE
504-3186	1800 x 600mm	£80.45
504-3216	2100 x 600mm	£92.10
504-3246	2400 x 600mm	£103.55
504-4186	1800 x 900mm	£94.65
504-4216	2100 x 900mm	£86.94
504-4246	2400 x 900mm	£106.50

**EXTRA UPRIGHT FRAME WITH X2 FOOTPLATES**

504-1860	1800H x 600D mm	£65.35
504-1890	1800H x 900D mm	£70.70
504-2160	2100H x 600D mm	£77.00
504-2190	2100H x 900D mm	£84.70

**PRODUCT CODE    LOAD WEIGHT (KG)    DIMENSIONS    PRICE**

*LONGSPAN OPEN BAYS WITH STEEL PANEL SHELVES 1800mm HIGH*

504-0031	525kg	1800mm x 1800mm x 600mm Starter Bay 3 Levels	£452.65
504-0032	596kg	1800mm x 2100mm x 600mm Starter Bay 3 Levels	£514.35
504-0033	469kg	1800mm x 2400mm x 600mm Starter Bay 3 Levels	£552.80
504-0331	525kg	1800mm x 1800mm x 600mm Extension Bay 3 Levels	£386.80
504-0332	596kg	1800mm x 2100mm x 600mm Extension Bay 3 Levels	£448.50
504-0333	469kg	1800mm x 2400mm x 600mm Extension Bay 3 Levels	£487.00
504-0034	408kg	1800mm x 1800mm x 900mm Starter Bay 3 Levels	£520.30
504-0035	476kg	1800mm x 2100mm x 900mm Starter Bay 3 Levels	£545.92
504-0036	469kg	1800mm x 2400mm x 900mm Starter Bay 3 Levels	£587.77
504-0334	408kg	1800mm x 1800mm x 900mm Extension Bay 3 Levels	£449.25
504-0335	476kg	1800mm x 2100mm x 900mm Extension Bay 3 Levels	£522.95
504-0336	469kg	1800mm x 2400mm x 900mm Extension Bay 3 Levels	£344.65

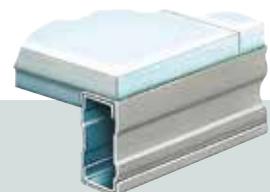
*LONGSPAN OPEN BAYS WITH STEEL PANEL SHELVES 2100mm HIGH*

504-0041	525kg	2100mm x 1800mm x 600mm Starter Bay 3 Levels	£477.30
504-0042	596kg	2100mm x 2100mm x 600mm Starter Bay 3 Levels	£539.00
504-0043	469kg	2100mm x 2400mm x 600mm Starter Bay 3 Levels	£577.50
504-0441	525kg	2100mm x 1800mm x 600mm Extension Bay 3 Levels	£399.15
504-0442	496kg	2100mm x 2100mm x 600mm Extension Bay 3 Levels	£460.85
504-0443	469kg	2100mm x 2400mm x 600mm Extension Bay 3 Levels	£499.35
504-0044	408kg	2100mm x 1800mm x 900mm Starter Bay 3 Levels	£547.55
504-0045	476kg	2100mm x 2100mm x 900mm Starter Bay 3 Levels	£396.45
504-0046	469kg	2100mm x 2400mm x 900mm Starter Bay 3 Levels	£666.80
504-0444	408kg	2100mm x 1800mm x 900mm Extension Bay 3 Levels	£315.45
504-0445	476kg	2100mm x 2100mm x 900mm Extension Bay 3 Levels	£536.75
504-0446	469kg	2100mm x 2400mm x 900mm Extension Bay 3 Levels	£578.55

**Steel panel shelving**

**MAXIMUM LOAD  
408KG - 596KG**

**CONSERVATION  
QUALITY**



**EXTRA STEEL PANEL SHELF LEVEL**  
2 x beams, wire tie and shelf

PRODUCT CODE	SIZE	PRICE
504-5186	1800 x 600mm	£54.95
504-5216	2100 x 600mm	£67.95
504-5246	2400 x 600mm	£73.25
504-6186	1800 x 900mm	£74.00
504-6216	2100 x 900mm	£91.00
504-6246	2400 x 900mm	£98.65

**EXTRA UPRIGHT FRAME WITH X2 FOOTPLATES**

504-1860	1800H x 600D mm	£65.35
504-1890	1800H x 900D mm	£70.70
504-2160	2100H x 600D mm	£77.00
504-2190	2100H x 900D mm	£84.70

Conservation Thin Chest Mount

Ideal for shallow display cases. Created from Ethafoam polyethylene foam and covered with a layer of polyester stockinette, this form is only 3" in depth. Includes removable "shoulder pads" for a square jersey mount. Comes complete with a powder-coated steel base (4" x 16" oval) with 24" anodised aluminum pole.



Small: 17"x14"x4", Large: 21"x14"x4" Price each.



PRODUCT CODE	SIZE	PRICE
333-5900S	Small Chest Mount	£453.00
333-5900L	Large Chest Mount	£453.00

Conservation Head Mounts

Hand carved from inert Ethafoam, these conservation quality head mounts are the ideal method for storing or displaying head wear. They are mounted on a 6.75" diameter, powder coated steel circular base. The head is featureless. It is covered with 100% polyester stockinette for a smooth finish with an overall height of 11.5" (including base). Accommodates most vintage hats and other types of headgear. No adhesives or resins are used in the construction. Large head measures 22" (hat line circumference) and the small measures 20". Price each.



PRODUCT CODE	SIZE	PRICE
333-6015L	Head Mount Large	£149.00
333-6015S	Head Mount Small	£149.00

Conservation Dress Form

This dress form is created from Ethafoam polyethylene foam and covered with a layer of polyester stockinette. It is mounted on a 41" aluminum pole and supported by a 13" diameter, powder-coated steel base. May be carved down or padded up to fit a particular garment. Available in small (S) or medium (M). Price each.



PRODUCT CODE	SIZE	PRICE
333-4300S	Dress Figure Small	£795.00
Height - 4'10" - 6'   Shoulders - 11"   Chest - 29"   Waist - 20.5"   Hips - 30.5"		
333-4300M	Dress Figure Medium	£795.00
Height - 4'10" - 6'   Shoulders - 12"   Chest - 30.5"   Waist - 22"   Hips - 32.5"		

Hat mount

The crown on these hat mounts are manufactured from Ethafoam polyethylene foam and are covered with a layer of inert polyester stockinette. No adhesives or resins are used. The oval crown measures 19.5" around x 3.5" high. Mounted on a powder-coated steel base (6.75" dia.) with an anodized aluminum pole. Available in 8", 11", or 15" heights to accommodate your headgear and storage space. Pin or stitch directly into the crown. Price each.



PRODUCT CODE	SIZE	PRICE
333-6010-8	Hat Mount 8"(203mm) High	£64.75
333-6010-11	Hat Mount 11"(280mm) High	£64.75
333-6010-15	Hat Mount 15"(381mm) High	£64.75

Head Mounts with features

These conservation head mounts are created from inert Ethafoam® and accommodate most vintage hats, wigs and other types of headgear. They are covered with a soft layer of stockinette and have either male or female features. Male head 22" hat circumference, female head 14" circumference. 14" high including base. Price each.



PRODUCT CODE	SIZE	PRICE
333-6020M	Feature Head Mount Male	£199.00
333-6020F	Feature Head Mount Female	£199.00

Conservation Suit Form

This suit form is created from Ethafoam polyethylene foam and covered with a layer of polyester stockinette. It is mounted on a 41" aluminum pole and supported by a 13" diameter, powder-coated steel base. May be carved down or padded up to fit a particular garment. Available in medium (M) for size 38 jacket or large (L) for size 40 - 42 jacket. Price each.



PRODUCT CODE	SIZE	PRICE
333-4400M	Suit Figure Medium	£795.00
Height - 4'10" - 6'   Shoulders - 18 1/4"   Chest - 29"   Waist - 26"   Hips - 32"		
333-4400L	Suit Figure Large	£795.00
Height - 4'10" - 6'   Shoulders - 20"   Chest - 36"   Waist - 28"   Hips - 34"		



➤ **Classic Adult and Child Forms**

Made from solid Ethafoam, figures include; hip block, chest block, arms and stand. These figures can be easily padded up, or carved down to suit your requirements.

Padding is 100% polyester, with a 100% polyester stockinette cover. Simple connection for arms, some bend possible at elbow, and shoulders rotate fully. If required, heads, hands and feet are also available to fit (see below, bought separately).

**Stand:** Powder coated with a flat metal base, the stand allows for height adjustment and offset options (i.e. for trouser legs). A 1224mm pole is inserted through the centre of the hips and torso blocks for centre mounting. For trouser mounting, a 864mm pole is inserted into the offset leg hole, with a 508mm pole supporting the waist and torso. Overall height, and the distance between the waist and torso are adjustable.

A kit of polyester padding, allen key and T-pins is included.



PRODUCT CODE	DESC	HEIGHT	CHEST	ARM	WAIST	DEPTH	HIP	PRICE
333-45HNM	Male	4ft 10" - 6ft	34"	23"	28"	7"	31"	£899.00
333-45HNF	Female	4ft 10" - 6ft	29"	23"	20"	6"	31"	£899.00
333-4600	Child	3ft - 4ft 4"	24"	17.5"	20.5"	5.5"	29.5"	£795.00

➤ **Classic Feet - Pair**

Classic Ethafoam feet padded with polyester padding and covered with a polyester stockinette to match classic forms. Feet are from the base of the knee to the bottom of the foot, an articulated in-step allows a range of heel heights. Attach under the hip of the form and hang, doesn't exert pressure on shoes.



PRODUCT CODE	SIZE	PRICE
333-5050	7" x 3" (Fits medium shoe sizes 5-10)	£161.90

➤ **Classic Heads - Small or large**

Classic Ethafoam heads padded with polyester padding and covered with a polyester stockinette. They fit onto the neck of our classic forms, are featureless, and are available in small and large sizes to suit the form to which they are fitted. Size measured around crown.



PRODUCT CODE	SIZE	PRICE
333-5015S	20.5" Small	£116.55
333-5015L	22.5" Large	£116.55

➤ **Classic Hands - Pair**

Classic Ethafoam hands padded with polyester padding and covered with a polyester stockinette to match classic forms. Posable joint at wrist.



PRODUCT CODE	SIZE	PRICE
333-5100	Hands for classic forms	£110.00



➤ **Adult Male and Female complete figures**

Made from Ethafoam covered with polyester stockinette, full adult male and female figures. One-piece torso from shoulder to hip, complete with easy fit arms and flexible elbows and wrists. Includes head with features, hands, legs and round silver base. Hands are solid and therefore cannot accept gloves.

The figures are supported by a single aluminium pole which is situated in the left leg, the foot sits in-front of the pole to accept a shoe. The right leg is flexible and can be positioned freely.



PRODUCT CODE	DESC	HEIGHT	CHEST	ARM	WAIST	SHOULDER	HIP	PRICE
333-4150M	Male	5' 6" - 6'	33"	24"	26"	19.75"	32"	£1595.00
333-4150M	Female	5' 1" - 5' 7"	30.5"	23"	22"	17.5"	32.5"	£1595.00



Display Identification Kits - Cubes & Triangular

**NEW** product

Simple clear acrylic display identification block kits with lettering sheets. Excellent, unobtrusive reference communication for display cases. Ideal for reference and identification of exhibits when using separate cards or signage for description. Lettering is simply applied with the use of a small blade or spatula, no other tools or glue required.

- Triangular blocks have 19mm faces.
- Cubes are available in 12mm and 20mm sizes.
- Each kit complete with vinyl lettering sheets to fit, 2 x black 2 x white
- 30 clear acrylic blocks in each kit

PRODUCT CODE	DESCRIPTION	PRICE
012-0003	30 x 12mm Cubes & Lettering Kit	£29.95
012-0006	30 x 20mm Cubes & Lettering Kit	£39.95
012-0004	30 x 19mm Triangular & lettering kit	£39.95



PelClip Museum Display Clip

This museum display clip is used to identify works of art in display cases. We found this display card holder ideal for artefact card information on items that need vertical cards.

- Will support up to A5 display cards
  - Dimensions 28mm dia base 20mm high
  - Comes supplied with optional anti-slip base spots
- Pack of 5

PRODUCT CODE	DESCRIPTION	PRICE
327-3000	PelClip Pkg 5	£4.95

Display Case Hygrometer

This popular display case hygrometer is also ideal for storage shelves, archiving boxes and more.

The device features a bi-metallic method for higher accuracy, with temperature measurement +/- 1 degree Celsius and RH +/- 5%. Compact size is 28 x 48 x 14mm. Also available in Fahrenheit.



PRODUCT CODE	DESCRIPTION	PRICE
167-2739	Hygrometer - Celsius	£19.95
167-2739F	Hygrometer - Fahrenheit	£19.95



Display Clips

Ideal for holding identification cards our display clips can hold cards upto A5 size. The display clips are made from polycarbonate and can grip card upto 1.2mm thick. Available in clear, white and black. Dimensions: 31mmW x 60mmL x 16mmH. Pack of 10

PRODUCT CODE	DESCRIPTION	PRICE
327-4000C	Display Clip Clear Pkg 10	£5.95
327-4000B	Display Clip Black Pkg 10	£5.95
327-4000W	Display Clip White Pkg 10	£5.95

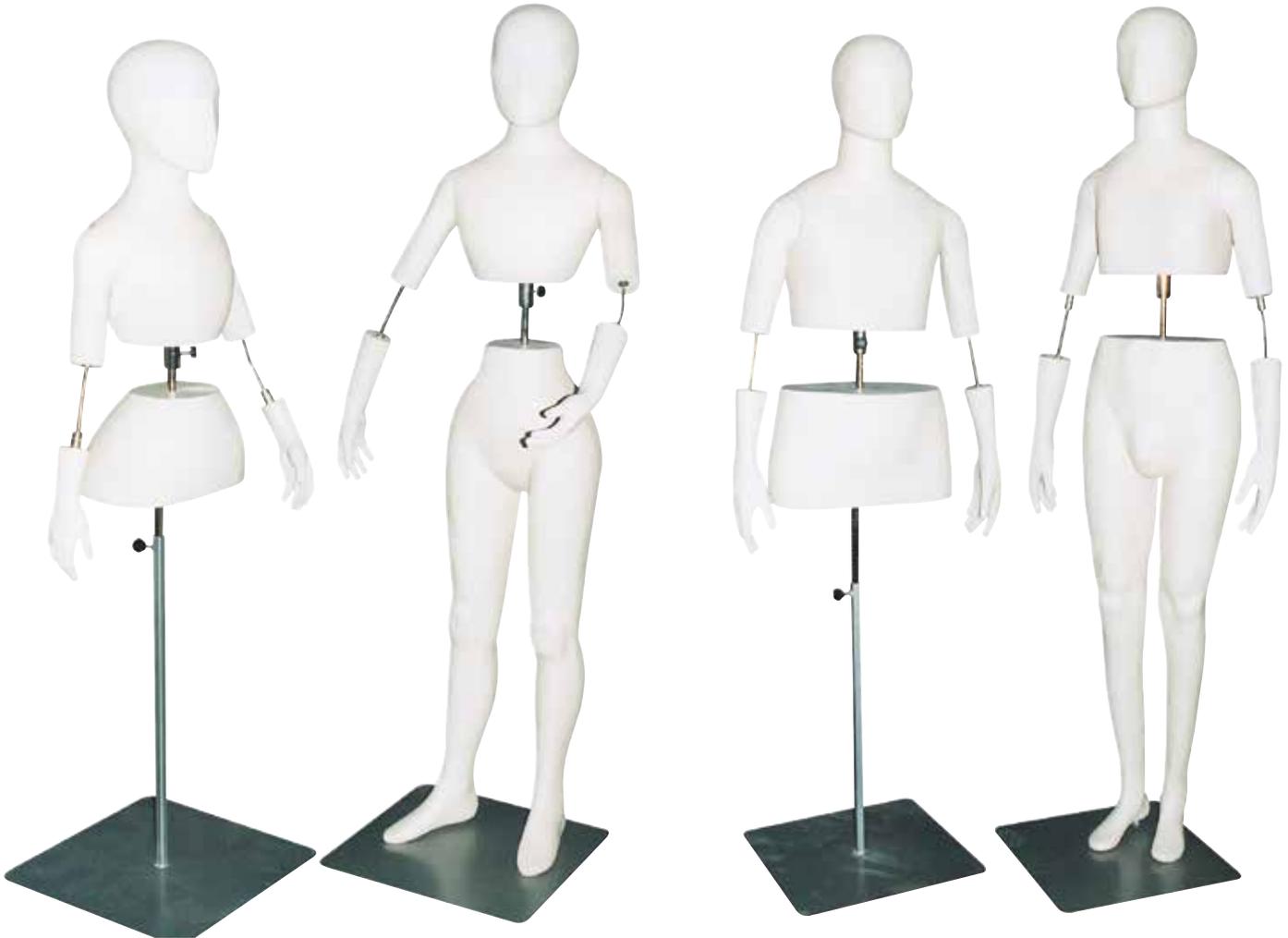
Pacific Silvercloth®

*Saves Work and Keeps Your Silver Bright*

Pacific Silvercloth® tarnish-preventing material keeps your silver and silver plated articles clean, bright and shining - without polishing! Thousands of silver particles embedded in the rich brown, velvety cloth absorb tarnish producing atmospheric gases before they reach the silver. Pacific Silvercloth® also protects against dust and scratches. Cloth is 38" wide and comes with instructions on how to make custom bags, pouches, rolls and how to line drawers and cabinets. Note: Laundering reduces effectiveness.



PRODUCT CODE	DESCRIPTION	PRICE
929-0003	3 yd roll (965mm x 2.7m)	£74.56
929-0015	15 yd roll (965mm x 13.5m)	£306.26



217-0019

217-0017 & 217-0018

217-0016

217-0015



**Conservation Costume Figures**

These figures are designed to be versatile with adjustable heights, arm lengths and flexible elbows. They are easy to dress and undress. Sizes are small, narrow across the shoulders and are designed with padding to fit most costumes within a particular size range.

Male torsos are available with "standard shoulders". Shoes on figures with legs require a hole drilled into the left heel so that the base plate spigot can fit through to support the figure.

Figures should be ordered at least 2" (50mm) smaller than costume sizes to allow them to fit. They can always be padded out as required with polyester wadding.

The figures are conservation quality and have been approved and used by a number of major institutions.

**Conversion Formulae**

To Convert Multiply by:

Inches to Centimetres 2.540 / Centimetres to Inches 0.03937

Feet to Metres 0.3048 / Metres to Feet 3.281 / 12" (inches) = 1' (feet)

PRODUCT CODE	DESCRIPTION	SIZE	PRICE
217-0015	Male Figure with legs	Height 168cm to 180cm. Chest 83cm Waist 62cm. Hips 81cm	£960.00
217-0016	Male Figure on stand	Height 165cm to 185cm. Chest 83cm Waist 74cm. Hips 86cm	£895.00
217-0017	Female Figure with legs	Height 147cm to 163cm. Chest 74cm	£960.00
217-0018	Female Figure with legs	Height 163cm to 183cm. Chest 74cm Waist 56cm. Hips 91cm	£960.00
217-0019	Female Figure on stand	Height 147cm to 173cm. Chest 74cm Waist 45cm. Hips 84cm	£895.00

For textile storage boxes see page 59

For Tyvek protective garment covers see page 58

For Clothing rail covers see page 58



➤ **Folding seat**

**NEW** product



Portable folding seat ideal for field work or for the comfort of museum or gallery visitors. Compact when folded, can easily be stored and transported. Sturdy tubular frame supports maximum user weight of 125kg (19 stones), uprights 34" in height when folded.

PRODUCT CODE		PRICE
012-0034	Folding Seat	£37.95



**For thermohygrometers & data loggers,**

See pages 161-165

**For humidity control,**

See page 166-168

➤ **UV Fluorescent Light filters**

Protect your displays and storage area from the fading, bleaching and deterioration caused by the ultraviolet light from fluorescent lighting. Our fluorescent bulb jackets have virtually the same light transmission in the visible light spectrum as ordinary window glass; however, they transmit practically none of the harmful ultraviolet light. Engineered to fit the standard 48-inch, fluorescent bulb, the 24-inch bulb requires only 1/2 of a unit and the 96-inch bulb will require 2 units. Easily installed over existing or new fluorescent bulbs, these jackets will last indefinitely. **Price per package of 10 units.**



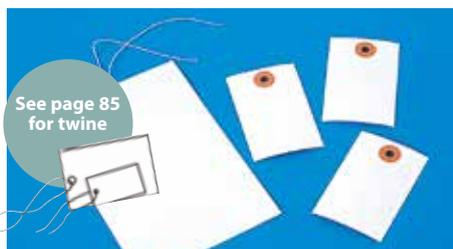
PRODUCT CODE	WT	LENGTH	PRICE
413-T-10	0.64kg	1200mm	£49.50



➤ **Artefact Identification Tags With Size for Bar Code Labelling**

Identify artefacts or specimens with these acid-free Artefact I.D. Tags. Made of 225gsm off-white tag stock which is both acid-free and lignin free, each tag features a strong 152mm cotton string for attaching to objects. Four sizes are available including a size to accommodate bar code labels. **Price per package of 100 tags.**

PRODUCT CODE	SIZE	WT	PRICE
613-3478	19 x 22mm	40g	£7.68
613-1530	38 x 76mm	90g	£8.95
613-3050	76 x 127mm	273g	£12.80
613-1535	89 x 38mm (barcode)	136g	£12.85



➤ **Tyvek Tags & Labels**

Identify tags for artefacts and specimens used in museums for labelling works of art, very strong, tear proof, waterproof, can be used outside since the wet will not affect them. Tyvek is acid-free, lightweight, resistant to harsh chemicals and can be easily over printed (contact our sales office for over printing).

Tag has eyelet reinforced hole, supplied without ties. We suggest our acid-free twine is used for ties, so you can cut to the necessary length. Special sizes available, contact our customer service department for prices.

PRODUCT CODE	SIZE	PRICE
613-7550	75mm x 50mm	£37.95 per 1000
613-7510	150mm x 100mm	£55.00 per 500



➤ **Resistall Specimen Tags**

Manufactured from Resistall Linen Ledger and treated for dimensional stability and resistance to water, alcohol and formaldehyde. The specimen tags include a cotton string to attach to specimens in wet collections. Price is per package of 100 tags.

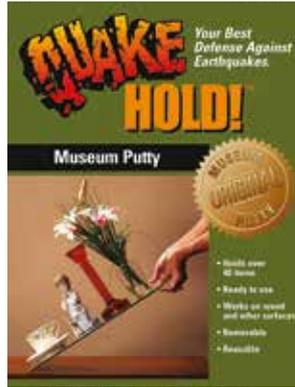
PRODUCT CODE	SIZE	PRICE
219-0102	1" x 2" (25 x 50mm)	£16.53

**Museum Wax**

Previously known as 'Be still my art'. Protect your valuable collections from bumps, quakes, jolts. A special blend of micro-crystalline waxes makes museum Wax safe for use on crystal, porcelain, marble glass, ceramic and wood finishes. Perfect for mounting breakable objects to shelves, stands and display cases. Performs well as a temporary "glue" to hold items in place whilst being cleaned, repaired or photographed. To use, attach a pea size bead to the contact base of your object, then with a slightly twisting motion, press your piece into place. To remove simply twist and lift. Scrape up the excess wax for reuse and wipe away any residue with a soft cloth.



PRODUCT CODE	SIZE	PRICE
615-8000	Museum Wax 13oz	£8.75



**Quake Hold Museum Putty**

Museum Putty is ideal for securing antiques, collectibles, figurines and more from falling and breaking. It can be used on most surfaces, including ceramics, porcelains and laminates, as well as on walls to help stabilize pictures. It comes ready to use in a two-and-a-half ounce flat sleeve, just pull off what you need. Roll the putty into small balls (about the size of a pea), or strips, and apply to the base of an item. Press down lightly and twist into position. It sets within 30-minutes and comes off cleanly with no mess. To remove, simply lift and twist from the bottom of the object. One packet will secure up to forty items of average size.

PRODUCT CODE	SIZE	PRICE
615-8111	Museum Putty	£3.45

**Museum Gel**

Clear museum gel is used as a removable adhesive under glassware china and crystal, originally used 11 years ago by major museums in the earthquake region of California. Since then, the practice of securing works of art and collections has become popular among both professionals and private collectors. Museum gel will stay soft and flexible, we recommend testing the product adhesion periodically and cleaning the area to ensure proper adhesion. Used in museum display cases for fragile works of art, is non-toxic, removable and reusable. Perfect for underneath clarity of glass and clear crystal objects on glass shelves. Also available Museum Wax which is a suitable alternative to Museum Gel.



PRODUCT CODE	SIZE	PRICE
085-3311	Museum Gel 4oz	£7.45

**Fosshape Heat Activated Fabric**



Fosshape is a material for producing costume mounts and can be easily formed with a wet or dry heat.

Fosshape is Oddy passed and a specially engineered polyester material that is similar to a thick felt in a raw state. The product, when applied with wet or dry heat, can be easily shaped over a form; it retains its shape once cooled, making it ideal for low-cost costume mounts. Fosshape is durable for indoor or outdoor use, extremely lightweight and even breathable.

It saves valuable time and labour during the construction process, since no messy additives or drying/setup time required. Fosshape 300 is the medium grade, which weighs 300 grams per sq/meter with a thickness of about 4mm in the non-activated state. Fosshape 600 is a heavier grade, which weighs 600 grams per sq/meter with a thickness of about 6.5 mm in the non-activated state. This truly versatile product could have a number of useful applications for mountmaking and conservation. Sold by the metre

PRODUCT CODE	SIZE	PRICE
164-0301	Fosshape 300 - 1143mm x 1 metre	£12.50
164-0601	Fosshape 600 - 1143mm x 1 metre	£21.95

**Ultraviolet Filter Polyester Film**

Safeguard your framed artwork, protect your displays, make your own clear cover binders and sheet protectors or use for lining your display cases and windows. Can easily be applied to surfaces with double-coated polyester tape. This processed polyester film has an impregnated UV inhibitor which absorbs light transmissions up to 400 nm and therefore screens or absorbs 97% of the ultraviolet spectrum. A strong, 50 micron, clear film that will last indefinitely. Resists mildew, rot, reagents, solvents and impregnants. **1524mm x 5M.**

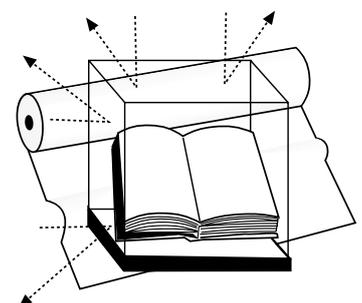
PRODUCT CODE	DESCRIPTION	PRICE
479-0005	UV Blocking Polyester Film - 5M Roll	£65.00

**Modelling Wax**

This white modelling wax is sold in 80g blocks. It can be easily shaped by hand, ideal for creating small prototypes, sculptures or mounts. Modelling wax can easily be dyed.



PRODUCT CODE	SIZE	PRICE
782-4357	Modelling Wax White 80g	£4.75

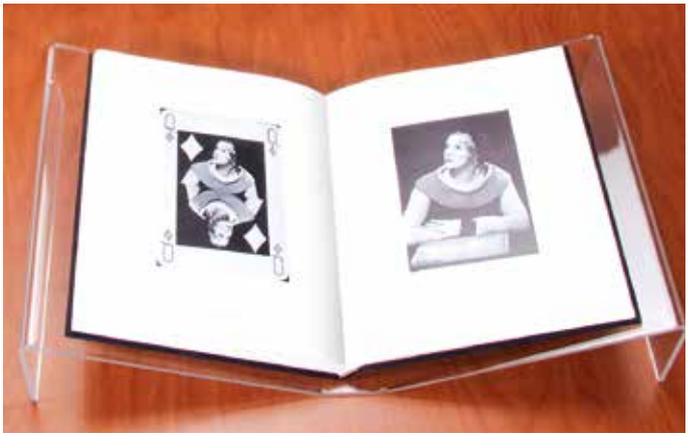




### Clear Display Cube

Beautifully handcrafted 3mm thick acrylic cubes to display and protect special items. Price each.

PRODUCT CODE	SIZE (H x W x D)	WT	PRICE
488-1451	6" square (152mm)	727g	£25.60
488-1454	12" square (305mm)	227g	£57.75



### Flat Open Book Stand

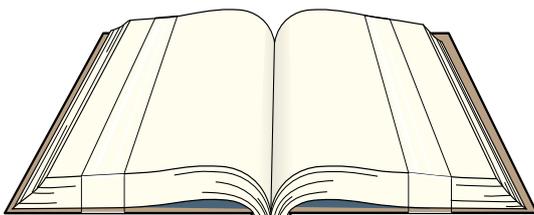
This stand will let a book rest on its spine while holding the left and right sides up slightly. Price Each

PRODUCT CODE	SIZE (H X W X D)	WT	PRICE
077-SG52	3.5" x 20" x 12" (89 x 508 x 304mm)	318g	£39.75

### Clear Book Display Stand

Very sturdy, flexible easels. For display of books, documents, etc. Acrylic is 3mm thick and has been sanded and polished to a crystal clear finish. Price each.

PRODUCT CODE	SIZE (W X H X D)	WT	PRICE
488-2531	3" x 2.75" x 4.5" (76 x 70 x 114mm)	90g	£7.40
488-2532	3.5" x 3.75" x 5.25" (89 x 95 x 133mm)	90g	£9.95
488-2533	5" x 5.5" x 8" (127 x 140 x 203mm)	182g	£11.75



### Clear Polyester Strip

Clear polyester plastic strips will keep books being held for binding in order, while at the same time allowing them to be shelved. This clear, non-adhesive strip can also be used to hold rare books open for exhibition while allowing patrons to read the type beneath. Simply cut the strips to the desired length, wrap around the pages of the open or damaged book and attach using tape or hook and loop fasteners. Price per roll.

PRODUCT CODE	SIZE (W X H X D)	PRICE
415-0006	6mm x 100M (50 micron)	£4.95
415-0015	15mm x 100M (50 micron)	£5.95
415-0030	30mm x 100m (50 micron)	£6.95

#### HOOK AND LOOP COIN FASTENERS

483-0020	Squares 25mm White (Sold in Pairs) Set 24	£1.80
483-0016	Coins 16mm White (Sold in Pairs) Set 16	£0.75

### Book Display Pillows

The idea for this simple, yet safe and effective method of providing full support for rare books on display came to us from the Department of Special Collections at the University of Florida. Each pillow contains polystyrene beads encased in a heat-sealed tyvek cover for durability. Simply mould the pillow to the desired shape and rest the book in place. May be used again and again. Originally designed for rare books, but great for nearly any delicate item you wish to display. Price each.



PRODUCT CODE	SIZE	WT	PRICE
327-0012	12" square (305mm square)	364g	£8.95
327-0018	18" square (457mm square)	410g	£11.95
327-0024	24" square (610mm square)	700g	£12.95

### Soft Polypropylene Book Strips

We have frequently been requested to supply an alternative to polyester strips which are stiff with sharp edges. These polypropylene strips are the answer because they are soft, much more drapeable and less likely to damage the open pages. The strips are clear, inert and can be used for long term display. Simply cut the strips to the desired length, wrap around the pages and secure using Velcro® fasteners or archival tape. Price per roll.

PRODUCT CODE	SIZE	PRICE
415-3012	12mm x 100M Polypropylene Strips Roll	£5.60
415-3025	25mm x 100M Polypropylene Strips Roll	£6.95



➤ **Cover Display Cradle**

These cradles were specially designed with a gentle slope and front lip to protect your rare and valuable books from damage while displaying the cover. Made of 5mm crystal clear acrylic. Wt.182g. **Price each.**

PRODUCT CODE	SIZE	PRICE
898-3472	0.75" x 7" x 4" x 2" (19 x 178 x 102 x 51mm)	£13.75

➤ **Book Exhibition Cradles**

Improper display of books can cause irreparable damage. By their very nature, the objects exhibited are often the ones which can least afford the exposure. These clear book cradles were developed with the assistance of a conservator to provide displays which do not put unnecessary stress on the bindings of displayed books. Beautifully constructed of seamless bent 5mm acrylic. We offer four cradles, with two spine lengths and two widths, which will accommodate books of different sizes and stiffnesses. For larger books, you may want to use two cradles of the same dimension. Once the book is on the cradle, use our clear Polyester Strips to hold pages open. Weight 182g. **Price each.**

PRODUCT CODE	SIZE	ANGLE	PRICE
898-153	1" x 3" x 5" (25 x 76 x 127mm)	140°	£13.95
898-154	1" x 4" x 5" (25 x 102 x 127mm)	150°	£14.40
898-173	1" x 3" x 7" (25 x 76 x 178mm)	140°	£14.70
898-174	1" x 4" x 7" (25 x 102 x 178mm)	150°	£15.50

➤ **Book Support Wedges**

One of the best arrangements for book display is to use a set of wedges of varying sizes and angles. This allows you to select the appropriate ones to fit the lay of the book. The wedges have a one piece bent construction of 5mm acrylic. The independent wedge design allows you to move each wedge to achieve different angles of support. For tall books, you may use two sets of wedges of the same dimensions. Smaller wedges may also be used to prop up individual photographs on display. Wedges may be assorted for quantity pricing. Wt. 91g Price per pair.

PRODUCT CODE	SIZE (H X W X D)	ANGLE	PRICE
898-244	2" x 4" x 4" (51 x 102 x 102mm)	30°	£20.35
898-144	1" x 4" x 4" (25 x 102 x 102mm)	14°	£13.90
898-1244	0.5" x 4" x 4" (13 x 102 x 102mm)	7°	£13.60
898-1225	1" x 2" x 2.5" (25 x 51 x 64mm)	10°	£12.65

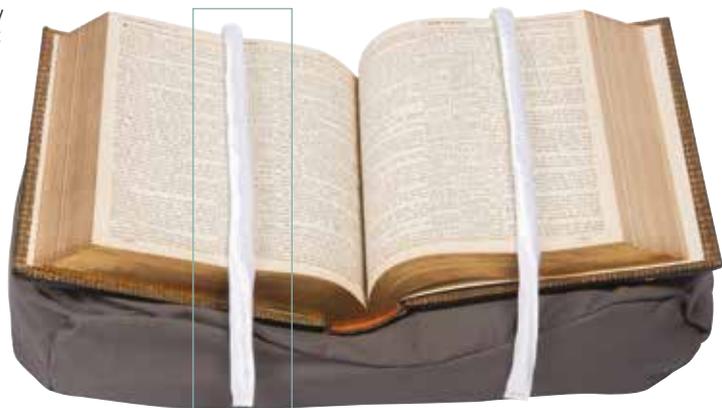
➤ **Norfolk Book Sofa**

This book support system is a registered design of the Norfolk Record Office and is marketed exclusively by PEL. The design allows books of a large variety of sizes and thicknesses to be supported correctly during handling by researchers. The shape adjusts gradually as reading progresses to cradle volumes exactly where needed, but without allowing them to open too far, thus limiting strain on the spines.

The removable outer cover is made from a 100% cotton fabric, which is approved as a display material by major museums. It is also machine washable, which ensures that the support can be kept clean and presentable. The neutral grey colour should not conflict with existing search room decor and resists showing dust and book deposits. The unbleached calico inner contains lightweight, flame retardant polystyrene beads.

The Norfolk Book Sofa is a durable user friendly design; with no loose foam wedges and no complex folding sections... simplicity itself!

Available in two sizes; Standard for volumes of up to approx. 28 x 40cm (closed dimensions), and Large for bound newspapers and bigger volumes. (Snake weights sold separately)



PRODUCT CODE	DESCRIPTION	PRICE
327-2000	Norfolk Book Sofa Standard Size	£46.50 each
327-1000	Norfolk Book Sofa Large Size	£59.30 each

➤ **Snake Weights**

Weighted fabric snake weights allow the pages of books to be held open for display and research. The snakes can be used to hold down curled charts and single sheets of paper. Can be used with our Norfolk Sofa, Book Pillows & Book Cradles. Available in 3 lengths in pairs for small, medium and large books.

PRODUCT CODE	LENGTH	APPROX WT	PRICE
426-7500	500mm	420g per pair	£7.95 per pair
426-7510	1000mm	740g per pair	£11.95 per pair
426-7515	1500mm	1200g per pair	£15.95 per pair

**ACID**

In chemistry, a substance capable of forming hydrogen ions when dissolved in water. Acids can weaken cellulose in paper, board, and cloth, leading to embrittlement. Acids may be introduced in the manufacture of library materials and may be left intentionally (as in certain sizings) or incidentally. Acids may also be introduced by migration from other materials or from atmospheric pollution. See also pH and Acid migration.

**ACID-FREE**

In chemistry, materials that have a pH of 7.0 or higher. Some-times used incorrectly as a synonym for alkaline or buffered. Such materials may be produced from virtually any cellulose fiber source (cotton and wood, among others), if measures are taken during manufacture to eliminate active acid from the pulp. However free of acid a paper or board may be immediately after manufacture, over time the presence of residual chlorine from bleaching, aluminum sulfate from sizing, or pollutants in the atmosphere may lead to the formation of acid unless the paper or board has been buffered with an alkaline substance.

**ACID MIGRATION**

The transfer of acid from an acidic material to a less acidic or pH neutral material. This may occur directly, when the two materials are in intimate contact. For instance, acid may migrate from boards, endpapers, and protective tissues, as well as the paper covers of books and pamphlets, to the less acidic paper of the text.

**ACRYLIC**

A plastic noted for transparency, light weight, weather resistance, color fastness and rigidity. In addition to these qualities, acrylics are important in preservation because of their stability, or resistance to chemical change over time, a characteristic not common to all plastics. Acrylics are available in sheets, films, and resin adhesives. Some common trade names for the sheet form are: Perspex®, Lucite® and PlexiGlas®.

**ALKALINE**

Alkaline substances have a pH over 7.0. They may be added to a material to neutralise acids or as an alkaline reserve or buffer for the purpose of counteracting acids that may form in the future. A buffer may be added during manufacture or during the process of deacidification. While a number of chemicals may be used as buffers, the most common are magnesium carbonate and calcium carbonate.

**ALPHA CELLULOSE**

A form of cellulose derived from cotton. The presence of alpha cellulose in paper or board is one indication of its stability or longevity. Non-cellulosic components of wood are believed to contribute to the degradation of paper and board.

**CALCIUM CARBONATE**

An alkaline chemical used as a buffer in papers and boards.

**CELLULOSE**

The chief constituent of the cell walls of all plants. Also, the chief constituent of many fibrous plant products, including paper and some cloth.

**CHEMICAL STABILITY**

Not easily decomposed or otherwise modified chemically. This is a desirable characteristic for materials used in preservation, since it suggests an ability to resist chemical degradation (such as the embrittlement of paper), over time and/or upon exposure to various conditions during use or storage. Other terms used loosely as synonyms: inert, stable, chemically inert.

**CONSERVATION**

The treatment of library or archive materials, works of art, or museum objects to stabilise them chemically or strengthen them physically, sustaining their survival as long as possible in their original form. See also Preservation.

**DEACIDIFICATION**

A common term for a chemical treatment that neutralises acid in a material such as paper and deposits an alkaline buffer to counteract future acid attack. Deacidification technically refers only to the neutralization of acids present at the time of treatment, not to the deposit of a buffer. For this reason, the term is being slowly replaced with the more accurate phrase

“neutralisation and alkalisation”. While deacidification increases the chemical stability of paper, it does not restore strength or flexibility to brittle materials. See also pH.

**ENCAPSULATION**

A form of protective enclosure for papers and other flat objects; involves placing the item between two sheets of transparent polyester film that are subsequently sealed around all edges. The object is thus physically supported and protected from the atmosphere, although it may continue to deteriorate in the capsule. Because the object is not adhered to the polyester, it can be removed simply by cutting one or more edges of the polyester.

**FIBRE CONTENT**

A statement of the types and percentages of fibers used in the manufacture of a paper, board, or cloth. Important because the quality of the fiber significantly affects both the durability and chemical stability of the material.

**FIBREBOARD**

Paperboard made of laminated sheets of heavily pressed fiber.

**LAMINATION**

A process of reinforcing fragile paper, usually with thin, translucent or transparent sheets. Some forms of lamination are considered unacceptable as conservation methods because of potential damage from high heat and pressure during application, instability of the lamination materials, or difficulty in removing the laminated item, especially long after the treatment was performed.

**LIGNIN**

A component of the cell walls of plants that occurs naturally, along with cellulose. Lignin is largely responsible for the strength and rigidity of plants, but its presence in paper and board is believed to contribute to chemical degradation. It can be, to a large extent, removed during manufacture. No standards exist for the term “lignin-free” and additional research is needed to determine the precise role of lignin in the durability and permanence of paper.

**MICRON**

Unit of thickness one mm is equal to 1000 micron. Mylar® & Melinex® See Polyester.

**NEUTRAL**

Having a pH of 7; neither acid nor alkaline. pH In chemistry, pH is a measure of the concentration of hydrogen ions in a solution, which is a measure of acidity or alkalinity. The pH scale runs from 0 to 14, and each number indicates a ten-fold increase. Seven is pH neutral; numbers below 7 indicate increasing acidity, with 1 being most acid. Numbers above 7 indicate increasing alkalinity, with 14 being most alkaline. Paper with a pH below 5 is considered highly acidic. Buffered storage materials typically have a pH between 7 and 9. See also Acid; Alkaline.

**PERMANENCE**

Ability of a material to resist chemical deterioration, but not a quantifiable term. Permanent paper usually refers to a durable alkaline paper that is manufactured according to ANSI Standard Z39.48-1984 Permanence of Paper for Printed Library Materials. Even so called permanent materials depend for their longevity upon proper storage conditions. See also Chemical Stability.

**POINT**

A unit of thickness of paper or board; one thousandth of an inch. For example, .060" equals sixty points. See also Micron.

**POLYESTER**

A common name for the plastic polyethylene terephthalate. Its characteristics include transparency, colourlessness, and high tensile strength. In addition, it is useful in preservation because it is very chemically stable. Commonly used in sheet or film form to make folders, encapsulations and book jackets. Its thickness is often measured in mils. Common trade names are Mylar® by DuPont and Melinex®.

**POLYETHYLENE**

A chemically stable, highly flexible, transparent or translucent plastic. Used in preservation to make sleeves

for photographic materials, among other uses.

**POLYPROPYLENE**

A stiff, heat resistant, chemically stable plastic. Common uses in preservation: sleeves for 35mm slides or films, containers.

**POLYVINYL ACETATE (PVA)**

A plastic usually abbreviated as PVA. A colourless transparent solid, it is usually used in adhesives, which are themselves also referred to as PVA or PVA adhesive. There are dozens of PVA adhesives, some are “internally plasticized” and are suitable for use in conservation, due to greater chemical stability among other qualities.

**POLYVINYL CHLORIDE (PVC)**

A plastic, often abbreviated as PVC. It is not as chemically stable as some other plastics, since it can emit hydrochloric acid (which in turn can damage library materials) as it deteriorates, and therefore has limited application in the preservation of books and paper. Some plastics called vinyl may be polyvinyl chloride.

**PRESERVATION**

Activities associated with maintaining library, archival, or museum materials for use, either in their original physical form or in some other format. Preservation is considered a broader term than Conservation. See Conservation.

**PRESSBOARD**

A tough, dense, highly glazed paperboard, used where strength and stiffness are required of a relatively thin (e.g. .030") board. It is almost as hard as a sheet of fiberboard, and is commonly used for the covers of notebooks. See also Solid board, Fibreboard.

**REVERSIBILITY**

Ability to undo a process or treatment with no change to the object. Reversibility is an important goal of conservation treatment, but it must be balanced with other treatment goals and options.

**SIZINGS**

Chemicals added to paper that make it less absorbent, so that inks applied will not bleed. Acidic sizings can be harmful and can cause paper to deteriorate, but some are not acidic and are expected to be more chemically stable.

**SOLID BOARD**

A paperboard made of the same material throughout. Distinct from a combination board where two or more types of fiber stock are used, in layers. See also Fibreboard, Pressboard.

**UV FILTER**

A material used to filter the ultraviolet (UV) rays out of visible light. Ultraviolet radiation is potentially damaging to library, archival, and museum objects and more is present in sunlight and fluorescent light than in incandescent light. Removing UV radiation from storage, use, and exhibition spaces can reduce the rate of deterioration of library materials stored there. Usually a UV filtering material is placed over windows or fluorescent light tubes, or over glass used in framing, or in exhibition cases. Certain acrylic sheet materials have UV filtering properties built in.

**VINYL**

The word vinyl is imprecisely used to refer to any of a number of plastics, many of which are not appropriate for use in preservation. For specific safe plastics, see Polyester, Polypropylene, Polyvinyl acetate, Acrylic.

**TRADEMARKS**

Melinex®	Polyester Film	Dupont Teijin Films
Museum Vac®	Vacuum Cleaners	Preservation Equipment Ltd.
Preservation Pencil®	Hot Mist Tool	Preservation Equipment Ltd.
PEL®	Brand	Preservation Equipment Ltd.
Microchamber®	Paper & Board	Conservation Resources
PrintFile®	Photographic Storage	Print File Inc.
Econospace®	Art/Glass Separator	Frametek Inc
Perma Dur®	Paper	University Products Inc.
Perma Seal®	Labels	University Products Inc.
Bi-Corr®	Corrugated Board	University Products Inc.
L-Velopes®	Plastic Enclosures	University Products Inc.
Tyvek®	Fabric	Dupont
Arcare®	Brand	Preservation Equipment Ltd.
Corrosion Intercept®	Corrosion Technology	Engineered Materials Inc.
Evolon®	Fabric	Carl Freudenberg KG

<b>A</b>	Beva	75, 93	Box - Phonograph Record	25	Cleaner - Vacuums	124, 125	Document - Preservation Folders	45-47	
A4 - Archival Pages	38, 43	Beva Tex	75, 93	Box - Photo Files	14-15, 17, 40	Cleaning Brushes	110, 112	Document - Repair	87
A5, A4, A3, A2, A1 Boxes	41	Bi-Corr	64	Box - Photo Organiser	15	Cleaning Machine - Conservation	126	Document - Repair Tape	87
Abaca sa Tape	87	Binder - Folders	29, 46	Box - Photo Storage	15-16	Cleaning Materials	134-139	Double Sided Tape	87
Absorbent Materials	120	Binder - Music	29, 47	Box - Portfolio	12	Cleaning Pads	69, 136-137	Drill Set	103
Absorene	135	Binder - Photo	13, 36-41	Box - Postcard Storage	14	Cleaning Products	134-139	Drop Front Boxes	4, 6, 14
Accession Registers	100	Binder - Stapler	104	Box - Rare Book	29, 47	Clearview Box	33	Dry Cleaning Sponge	136
A-D Strips	26	Binder - Tape	84, 85	Box - Really Useful Box	30	Clips - Paper	97	Dust Bunny	136
Adhesive - Anchor Wax	96	Binder - Thread	85	Box - Record Album	25	Cloth - Dusting	134	Dust Cloths	134
Adhesive - Archival Liquid	93	Binder - Wide Spine	29, 47	Box - Riveter	105	Cloth - Silver Protection	186	Dust Masks	116, 119
Adhesive - Belg. Rice Starch	92	Binocular Magnifier	156	Box - Roll Storage	11	Cloth - Tape	86, 87	Dusting Brush	110-113
Adhesive - Brushes	110-113	Blacklight	146-147	Box - Shoe	8	Clothing Storage	58-59	DVD Storage	20
Adhesive - Cellulose	93	Blades, Knife	101-104	Box - Slide Storage	28	Coarse Eraser	136	Easels	190
Adhesive - Cloth Tape	86, 87	Blender	129	Box - Slide Storage	40	Coin Envelopes	49	Econospace	89
Adhesive - Dispenser	93	Blotter	69, 79	Box - Telescoping	9	Cold Suction Table	128	E-Flute Board	65
Adhesive - Dispenser Pump	93	Blotters, Repair	79, 92	Box - Textile	8	Collectors Album	13	Encapsulation	55
Adhesive - Double Sided Tape	90, 87	Blotting Paper	66	Box - Video	24	Collectors Box	12	Enclosures - Clear	50-54
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Adhesive - Ethulose	93	Blue Scales	58	Box Board	65	Conservation - Boards	60-65	Enclosures - Fragment Folders	74
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Adhesive - Framing	90, 87	Board - Bi-Corr	64	Brass Paper Clips	97	Conservation - Clean Air Cupboard	117	Enclosures - Negative Print	48
Adhesive - Glue Gun	83	Board - Conservation	60	Brilliance	134	Conservation - Cleaning Machine	126	Enclosures - Print/Negative	48
Adhesive - Glue Stick	92	Board - Coroplast	62	Brush - Anti-Static	111	Conservation - Mounting Board	61, 63	Envelope - Coin	49
Adhesive - Jade	92	Board - Corrugated	64	Brush - Badger	113	Conservation - Papers	66, 69, 71	Envelope - Compact Disc	21, 49
Adhesive - Jin Shofu	92	Board - Divider	2	Brush - Conservation	110, 112	Conservation - Trays	140	Envelope - Cone & Seed	74
Adhesive - Liquid	93	Board - Exhibition	63, 64	Brush - Dusting	110, 112	Conservators Sponge	138	Envelope - Currency	49
Adhesive - Mounting Kit	89	Board - Foam	63, 64	Brush - Glue	110-113	Cord	85	Envelope - Glassine	48
Adhesive - Neutral pH	93	Board - Framers	60-63	Brush - Hake	110-113	Cores - Film	26	Envelope - Lantern Slide	17
Adhesive - Paraloid B-72	92	Board - Mounting	60-63	Brush - Japanese	110, 112	Corner Protectors	88	Envelope - L-Velopes	54
Adhesive - Polyvinyl Alcohol	93	Board - Spacer	2	Brush - Museum Vac	125	Cornerrounder	105	Envelope - Map & Print	47
Adhesive - Remover	136	Board and Paper Chopper	105	Brush - Natural Hair	110-113	Corners - Mounting	91	Envelope - Microfiche	18
Adhesive - Rice Starch	92	Board Chopper	105	Brush - Phosphor-Bronze	113	Corrugated Board	64	Envelope - Mylar	50-53
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Adhesive - Wheat/Rice Starch	92	Bondina	77	Brush - Silicone	111	Corrugated Boxes	5-7	Envelope - Negative Strip	15
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Album - Collectors	36-40	Book - Measuring Machine	105	Cabinet - Microfilm	172	Cradles - Book Display	191	Ethafoam	81
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