

PAPER ROPE

Paper Rope

A versatile material mainly manufactured to act as a former during glass fibre laminations. Once glassed over it will provide stiffening ribs to the structure. However, it has many other uses. Use it to create curved mouldings, to add texture and bulk to trees and branches, and to add relief to any surface. It can be flame retarded with Flamebar type S1WA2 [page 78] and textured with Idenden Brushcote or Flints Mud [page 51]. We have heard it is also used for pyrotechnic fuses. All lengths listed are approximate coil lengths.



code	diameter	per m		
PRO120	6.5mm	£0.30		
PRO121	13.8mm	£0.62		
PRO122	18mm	£0.98		
PRO123	25.5mm	£1.54		
PRO124	40mm	£2.89		
PRO125	55mm	£4.60		
code	length (approx.)	diameter	per coil	10+
PRO120D	200m	6.5mm	£32.05	£20.14
PRO121D	250m	13.8mm	£107.93	£90.68
PRO122D	100m	18mm	£76.20	£53.65
PRO123D	100m	25.5mm	£117.25	£98.13
PRO124D	40m	40mm	£86.17	£70.40
PRO125D	25m	55mm	£85.88	£70.49

Wired Paper Rope

A few years ago we used to sell a wired sisal rope but just as it got popular the manufacturers stopped making it! We now stock two sizes of wired paper rope. The addition of a stiff wire makes it the perfect choice for undergrowth, foliage and tree effects. The paper rope can be flame retarded with Flamebar type S1WA2 [page 78]. It can be directly painted or textured with Idenden Brushcote or Flints Mud [page 51] or it can be scrimmed with muslin [page 154]. "Branches" and "twigs" can be bound together using unbleached cloth tape [page 293]. Further strength can be added, where needed, by binding the paper rope to aluminium armature wire. A piece of wired paper rope will generally support its own weight over about 2 - 3 ft before drooping. All lengths listed are approximate coil lengths.



code	diameter	per m		
PRO121W	13.8mm	£0.93		
PRO122W	18mm	£1.43		
code	length (approx.)	diameter	per coil	10+
PRO121WD	250m	13.8mm	£188.16	£151.58
PRO122WD	100m	18mm	£129.36	£116.42

GALVANISED SINGLE STRAND WIRE [SENTINEL]

Galvanised Single Strand Wire

An economical wire for binding and forming small armatures. 500 g and 10 kg coils. Also called Sentinel Wire. For softer wire choose the aluminium armature wire listed below. See also wired paper rope.



code	weight	length (approx.)	diameter	price
WIR060	500g	161m	0.71mm	£3.85
WIR061	500g	100m	0.9mm	£3.75
WIR063	500g	81m	1mm	£4.55
WIR065	500g	51.9m	1.25mm	£3.52
WIR067	500g	31.6m	1.6mm	£3.40
WIR069	500g	20.3m	2mm	£3.30
WIR075	5kg	130m	2.5mm	£30.88
WIR076	10kg	407m	2mm	£54.25
WIR078	10kg	164.1m	3.15mm	£57.05

ALUMINIUM ARMATURE WIRES

Round Aluminium Armature Wire

This popular wire is easy to work, enabling rustproof armatures to be constructed at great speed. Ideal for animation. It also has decorative uses such as imitation silver binding on sword handles and representing climbing plants. The 0.7 mm x 30 m wire is now sold in 3 x 10 m coils.



code	length	diameter	price	10+
ARM15	17m	1.5mm	£7.15	£6.43
ARM20	9m	2mm	£7.58	£6.82
ARM32	10m	3.2mm	£11.04	£9.93
ARM40	3m	4mm	£7.33	£6.59
ARM50	3.75m	5mm	£7.98	£7.18
ARM60	2.5m	6mm	£8.22	£8.97
ARM80	3m	8mm	£16.28	£14.65
ARM100	3m	10mm	£22.55	£20.30

Square Section Aluminium Armature Wire

We stock a range of square section soft aluminium armature wires for those who prefer using square to round! For Mod Mesh see page 112, for tin snips and shears see page 329.



code	length	square	price
ARM318S	5m	3.18mm	£7.92
ARM475S	5m	4.75mm	£15.08
ARM635S	3m	6.35mm	£19.98
ARM953S	3m	9.53mm	£23.98

PROPMAKER'S MATERIALS

Coloured Aluminium Armature Wire

Excellent for decorative work. Often used for floral displays. Also available as a mixed pack of 5 rolls. Fantastic value! For Mod Mesh see page 112.

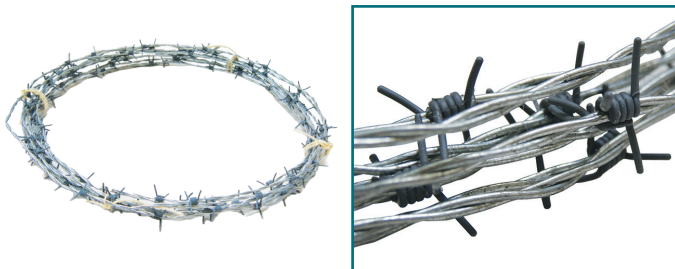


code	Colour	length	diameter	price
ARM02N	Black	12m	2mm	£3.90
ARM02R	Red	12m	2mm	£3.90
ARM02P	Pink	12m	2mm	£3.90
ARM02GR	Green	12m	2mm	£3.90
ARM02G	Gold	12m	2mm	£3.90
ARM02K	Mixed pack of 5 rolls	12m	2mm	£17.00

PLASTIC BARBED WIRE



Plastic barbed wire in situ; Not About Heroes, 2014. Theatr Clywd, Director: Tim Baker, Designer: Mark Bailey, Wilfred Owen played by Owin Gwynn, Photo@Catherine Ashmore



Plastic Barbed Wire

A safer version of the real thing; the barbs are plastic, but the wire is real! Almost indistinguishable from actual barbed wire, this is the ideal prop for creating evocative war or industrial scenes for film or theatre. (For an authentic war scene consider also using Flints Mud [page 51]). Supplied in a coil, the wire can be easily manipulated [please take care when opening the coils]. Spare plastic barbs are also available to make your barbed wire last longer, sold in packs of 10.

code	description	length	price	10+	100+
PROPBW05		5m	£16.50		
PROPBW30		10m	£79.00	£70.90	
PROPBWS	Spare Barbs [pack of 10]		£2.50	£2.20	£1.80

HESSIAN BAGS

Hessian Bag

These hessian bags are ideal to complete a wartime or disaster scene. The bags are supplied empty but that doesn't make a very interesting photo so we filled one with Foam Crumbs [page 54] to replicate an authentic but lightweight sandbag. For exterior shoots see Smoke Grenades page 119.

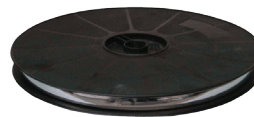


code	description	length	depth	price
PROCATBAG	Empty	800mm	330mm	£1.95

SELF-ADHESIVE WINDOW LEAD TAPE

Window Lead Tape

A self-adhesive lead tape for creating stain glass windows. Use with French Enamel Varnish. To darken and give an aged effect use Regasheen.



Glass window with self-adhesive lead and painted with Hatolite

code	width	length	price
TAP161	4.5mm	50m	£16.39
TAP162	6mm	50m	£17.54
TAP163	9mm	50m	£22.50
TAP164	12mm	50m	£31.00

Regasheen Plus

Use Regasheen, a special waterbased product, to produce an aged effect on lead window tape.

code	volume	price
TAP165N	250ml	£13.00

FOAM CLAY

Foam Clay

Lightweight, air drying, foamy gloopy clay. Great for adding details to EVA or Plastazote foams or just to cover up untidy seams! Available in Black or White to match your foam. Please note: this is an air drying clay, so it does take time to fully dry out (overnight if the sculpted piece has more than 10mm depth), if not formed around an armature. Gravity can take its toll so it's important to be supportive while it takes its time to become its true authentic self.



code	Colour	weight	price
PROFOAMCLAYBLK	Black	300g	£11.80
PROFOAMCLAYWHT	White	300g	£11.80

PLASTICINE

Plasticine

Simple to use, non-toxic, modelling medium. Available in a range of colours. Easy to shape. It can be used, and re-used for every modelling job.

NEW



code	Colour	weight	price
PROSCCBK	Black	500g	£2.98
PROSCCBN	Brown	500g	£2.98
PROSCCDB	Dark Blue	500g	£2.98
PROSCCGN	Green	500g	£2.98
PROSCCGY	Grey	500g	£2.98
PROSCCOE	Orange	500g	£2.98
PROSCCPE	Purple	500g	£2.98
PROSCCRD	Red	500g	£2.98
PROSCCWE	White	500g	£2.98
PROSCCYW	Yellow	500g	£2.98

SUPERSCULPEY

SuperSculpey

A polymer clay that stays soft and malleable until baking. Ideal for use in animation, prototypes, mould making and sculpture. Super Sculpy Original is available in semi-translucent beige and has a ceramic-like feel to work with. Can achieve fine tooling and detail without the clay filling in and can be reworked numerous times. Also available in a firm grey coloured version, most suited to working on minuscule and realistic features or where you are after a higher-level detail and complexity. Is more firm than the original both before and after curing. Both clays are cured by oven baking at 130° C, well within the range of a domestic oven. After curing in the oven, Super Sculpey can be further worked into through sanding, drilling, carving and painting with water-based acrylic paints.



code	Colour	weight	price
PROSS1	Original Beige	454g	£15.15
PROSS2	Firm Grey	454g	£15.15

PLASTILIN

Plastilin

A high quality waxbased modelling material with the smooth consistency of clay but does not dry out so it can be used over and over again.



code	Colour	weight	price
PROPLS	Standard Grade [Ivory]	1kg	£7.98
PROPLH	Hard Grade [grey]	1kg	£7.98

MILLIPUT

Milliput

Extremely versatile two-part putty. When the two parts are mixed together, the mixture can be used for modelling, repairs to ceramics, cars, water pipes, tiles, etc. It has a working time of about three hours, when hardened it can be drilled, sawn, carved or filed. N.B. At low temperatures Milliput can go hard, and may need warming up before working with it and combining the two components.



code	Colour	weight	price
FIL190	Standard, Grey/Yellow	113.4g	£3.80
FIL193	Superfine White	113.4g	£6.40
FIL195	Silver Grey	113.4g	£5.56
FIL192	Black	113.4g	£5.32
FIL191	Terracotta	113.4g	£4.40

IMPRESSION COMPOUNDS

Flints Alginate [Fast and Slow Set]

Alginate is a powder which, when mixed with water [2:1 for pouring, 1:1 for spreading], forms a gel suitable for taking impressions of human tissue. A spearmint-flavoured natural plant extract which is quicksetting, self-releasing, and gives excellent reproduction of fine detail. It has been used by dentists for many years and is safe for use on the skin. The skin can be lubricated with petroleum jelly to protect hair growth. The Fast type gives two minutes for mixing and one minute for setting. The Slow type gives four minutes for mixing and two minutes for setting. Both types set quite soft making them easy to unmould. Each 550 g package is enough to make a full face cast. An outer casing can be made with Mod Roc or Plaster bandage [page 142] to support the Alginate or consider a Plaster of Paris mould to do the job [also page 142].



A quick how-to of casting using Flints Alginate



Decant a measurement of water into a mixing bowl



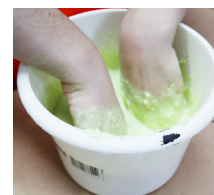
Measure a volume of Alginate according to your chosen ration



Sieve the Alginate into the mixing bowl to avoid clumps



Mix the solution slowly and take care to avoid creating air bubbles



Get messy! Use hands to thoroughly mix until it's a jelly-like substance



Hold still while the Alginate sets!

To finish, pour plaster into the mould, wait for it to dry and release it from the Alginate.

code	description	weight	price
PROALG550F	Fast	550g	£11.79
PROALG550S	Slow	550g	£11.79

PROPMAKER'S MATERIALS

WOODEN BALLS & RIVETS

Wooden Balls

A multitude of decorative uses. For the vicar's coconut shy use 50 mm or 70 mm. Made from birch. Wooden knobs can be found on page 272. For coconut glue see page 501.



code	diameter	price	100+	1000+
PRO210	12mm	£0.15	£0.13	£0.11
PRO211	19mm	£0.18	£0.16	£0.15
PRO212	25mm	£0.35	£0.31	£0.29
PRO213	33mm	£0.66	£0.59	£0.56
PRO214	50mm	£3.25	£2.92	£2.75
PRO216	70mm	£5.65	£5.09	£4.85

Round Wooden Rivets

These beech turnings are ideal for representing steel girder rivets. Our "Preferred Version" rivets have a cross section of almost half a sphere. However, some of our clients don't prefer them so we also stock a "Non-Preferred Version" which are flatter - roughly, the height is about a quarter the diameter. Full technical drawings can be found by scanning the QR code. For a realistic rust effect try Iron Powder [page 37], the Dirty Down Rust Spray [page 77], or HATO®Rust [page 37].



code	diameter	diameter	price	100+	1000+
PRO200	3/4"	18mm	£0.38	£0.34	£0.32
PRO201	1"	25mm	£0.42	£0.37	£0.35
PRO202	1 1/4"	32mm	£0.47	£0.42	£0.40
PRO203	1 1/2"	38mm	£0.49	£0.44	£0.42



code	diameter	diameter	price	100+	1000+
PRO200NP	3/4"	18mm	£0.55	£0.51	£0.49
PRO201NP	1"	25mm	£0.63	£0.57	£0.55

Hexagonal Wooden Rivets

A hexagonal alternative to the rounded rivets. Can be used to represent bolt-heads on industrial props and scenery. Available in two different sizes



code	size	price	100+	1000+
PRO220	M12	£0.41	£0.37	£0.35
PRO221	M16	£0.36	£0.32	£0.15

WORBLA'S® ART SERIES

Worbla's® Art Series

A range of thermoplastics which include sheets and granules. The sheets are easy to cut with scissors or a craft knife. For best results soften by using a heat gun [page 304] but a hairdryer, hot water or steam can be used in a pinch. Stays workable for a couple of minutes and can be reactivated with heat to continue to mould into shape. While its thinness has advantages, it can crack or split and should be layered or backed by Plastazote or Modelfoam for a more robust structure. No toxins are released. When it cools it will be rigid. Scraps can be reheated, combined and used like putty. Other than the TranspArt they have an adhesive side which will stick to itself to create a double layer, and they can be sanded and painted once cooled. When heated they can be stretched to a certain extent to create curves so are excellent for chest plates or armour. They are also able to be shaped over a mould. They can also be cut using a laser producing very fine detail. They can also be used in combination with Wonderflex [see next page] to create a stronger structure.

Worbla's® Finest Art

- ✓ Cheaper material with decent impact resistance; good for large items
- ✗ Not great for detail work; requires lots of sanding and priming to get smooth

Worbla's® Black & Pearly Art

- ✓ Very smooth; can take much finer detail and requires little sanding to finish
- ✓ Available in Black or a Pearly white [latter designed to be overcoated].
- ✗ Requires more heat to bond successfully; less impact resistance

Worbla's® TranspArt

- ✓ Remains clear after heating; can be stained or painted; easier than working with clear acrylic
- ✗ Tricky to get right; requires a lot of heat [120° C optimal]; slight warping like old glass

Worbla's® Kobra Cast

- ✓ Can be sewn into
- ✓ Fine, Stretchable and tear resistant mesh
- ✓ Retains some flexibility
- ✓ Like Varaform membrane and mesh combined
- ✗ More expensive
- ✗ Scraps can't be reheated and moulded together



code	Type	length	width	price
PROWORB5	Finest Art	500mm	750mm	£12.90
PROWORB5B	Black Art	500mm	750mm	£14.85
PROWORBP5	Pearly Art	500mm	750mm	£14.00
PROWORB5T	TranspArt	500mm	750mm	£14.15
PROWORB5C	Kobra Cast	500mm	750mm	£17.00
PROWORB1	Finest Art	1000mm	750mm	£23.75
PROWORB1B	Black Art	1000mm	750mm	£24.15
PROWORBP1	Pearly Art	1000mm	750mm	£24.00
PROWORBIT	TranspArt	1000mm	750mm	£25.20
PROWORB1C	Kobra Cast	1000mm	750mm	£29.95

Worbla's® Deco Art

- ✓ Activates at a moderate temperature [65° C]; when softened can be dyed directly with acrylics; reproduces very detailed surfaces using moulds [e.g. silicone moulds]
- ✗ It is extremely sticky when activated



code	weight	price
PROWORBDEC250	250g	£12.05

RHENOFLEX

Rhenoflex RX 3145

An excellent value thermoplastic, Rhenoflex is a strong and tear resistant sheet material best suited to large scale working or making prototypes. Made from 2 layers of material, both sides have an inbuilt adhesive which is activated when heated. Both sides have a mesh which gives the surface of Rhenoflex a slight texture, similar to Wonderflex 3, so it's not recommended for capturing very fine detail. The high bonding strength of the compound adhesive makes it ideal for sandwiching within other materials, and will easily bond with most fabrics including wool or leather. Easily cut with scissors, and heated with either a heat gun or hot water; it should be heated to 130° C - 140° C to fully activate the adhesive, but heating to 90° C - 100° C will give the material the pliability to form a shape. Sheets are 0.95 mm thick, other thicknesses available to order.



code	length	width	thickness	price
PRORX3145HS	750mm	1000mm	0.95mm	£15.00

WONDERFLEX 3™

Wonderflex 3™

A light but tough heat activated formable composite sheet material which can be moulded to any shape by applying moderate heat [70 - 80°C]. A hot air gun [500 - 1,000 W] is the usual tool but ovens, microwaves and hot water can also be used. When hot, the adhesive activates so it will stick to itself [and not to your fingers]. Additional thicknesses are easily achieved. The patented material is easy to cut with scissors or utility snips, and the off-cuts can be saved for future projects. Once shaped it becomes very stiff and strong but can be reworked by reapplying heat. A clean and time-saving props material which is ideal for making masks and costume props.



code	Type	length	width	price
PROTRMHS	Half Sheet	698mm	1092mm	£32.00
PROTRM3	Full Sheet	1397mm	1092mm	£58.00

FOSSHAPETM

Fosshape™

A unique patented non-woven fabric. The breathable fabric can be cut to shape with scissors and sewn to itself or other fabrics. So what makes it unique? Fosshape™ can be heated with a domestic steamer [or hot air gun] to form any shape. When heated the material will shrink and become stiff. Fosshape™ is very popular with milliners and its' breathable properties and very light weight make it ideal for stiffening costumes and making large headgear and costume props. The white fluffy texture makes it a good choice for snow scene displays and costumes. Choose Fosshape™ 600 for larger items that require more structural support. Now available in a mid-weight jet black version.



code	Colour	width	width	weight	per m	45 m+
PROFS300	White	45"	1143mm	300gsm	£19.95	£18.95
PROFS400B	Black	45"	1143mm	400gsm	£27.70	£24.95
PROFS600	White	45"	1143mm	600gsm	£35.00	£31.50

PLASTAZOTE®

Plastazote®

A soft expanded polyethylene foam which is tough but easy to cut with scissors or craft knives. It can be vacuum-formed or heat moulded. If heat moulding, preheat the oven to 140° C and heat for 12 seconds per mm thickness turning if necessary. It should feel warm but not sticky. Density 45 kg per m³. Now available in Black or White!



code	Colour	length	width	thickness	price
PROPLW3	White	1m	750mm	3mm	£7.46
PROPLW6	White	1m	750mm	6mm	£13.80
PROPLW12	White	1m	750mm	12mm	£19.95
PROPLB6	Black	1m	750mm	6mm	£11.81

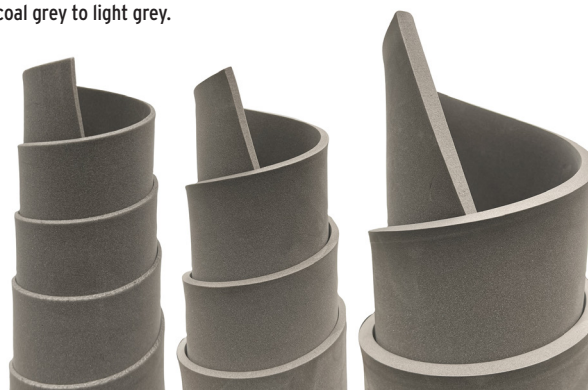
EVA FOAM

EVA Foam Sheet Black

Massive 1 x 2 metre sheets of EVA foam, can be pattern cut, glued, heat formed or carved, perfect for propmakers working at scale. For tidying up gaps or seams, why not try the new Flexi Filler?

Its water based and dries to a matt black finish. Medium 45 kg density. Please note: The colour of the foam can vary between batches, from black/charcoal grey to light grey.

NEW



code	Colour	thickness	width	length	price
PROEVA452	Black/Grey	2mm	1000mm	2000mm	£6.79
PROEVA455	Black/Grey	5mm	1000mm	2000mm	£9.95
PROEVA4510	Black/Grey	10mm	1000mm	2000mm	£17.50

FLEXI FILLER - SEAM AND GAP FILLER FOR EVA FOAM

Flexi Filler - Seam and Gap Filler

Water based flexible filler for EVA and Plastazote foams. Use this filler for filling glued joints/seams in foam, ready to use straight from the pot, simply apply with filling knife/old credit card/finger into the join. Can be smoothed with wet tool/finger while still drying or lightly wet sanded once fully cured. Perfect for use with black EVA foam as it dries to a matt, black finish.

NEW



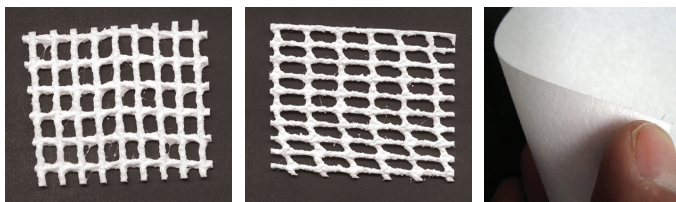
code	Finish	Colour	weight	price
PROFLEXFILL	Matt	Black	100g	£4.98

PROPMAKER'S MATERIALS

VARAFORM

Varaform

This product has become a best-seller since we introduced it over ten years ago. It is a natural cotton mesh impregnated with a thermoplastic resin. When heated with hot water or hot air it quickly softens so that it can be worked into any shape. It sets on cooling to form a rigid lightweight armature. Varaform will stick to itself in its warm state and it can be re-heated and remoulded as many times as required. It is non-toxic and has an indefinite shelf life. Varaform is biodegradable, water resistant and is 50% lighter than Plaster of Paris making it ideal for use as elaborate masks. Extremely easy and clean to use and could potentially save the propmaker hours of messy work. Available in three grades. Recently, the manufacturers have changed to a smoother and more square cotton for the heavy; it's easier to use but narrower at 1,050 mm. We also stock smaller sheet sizes ideal for masks or sampling. Highly recommended. Ask for a free sample.



Heavy

Light

Membrane



A simple dinosaur mask made using aluminium armature wire with heavy Varaform and Membrane scales.

code [rolls]	Type	width	per m	10+
PROVAR201	Heavy	1050mm	£42.50	£40.50
PROVAR211	Light	900mm	£42.00	£39.60
PROVAR221	Gauze Membrane	1150mm	£40.65	£36.58

code [sheets]	Type	length	width	price
PROVAR204	Heavy	600mm	450mm	£17.25
PROVAR214	Light	600mm	450mm	£15.50
PROVAR224	Gauze Membrane	600mm	450mm	£19.85

HATBOND CM

Hatbond CM

Thermoplastic modelling material developed for millinery by Carole Maher, but also great for use in costumes, castings and hand moulded pieces. It is intended to give an inner structure to a variety of fabrics - both sides are sticky when heated, so it easily bonds to fabrics. Once cooled Hatbond CM retains it's moulded shape and is almost invisible between bonded materials. It can be reheated and moulded with a heat gun repeatedly to achieve the desired shape. Easily cut with scissors, or a knife. All sheets are approximately 0.3mm thick.



code	length	width	thickness	price
PROHBCM	1000mm	700mm	0.3mm	£15.75

TAPIO PAPER - SCENIC STRUCTURAL PAPER

Tapio Paper Pulp Sheet 900 x 800 mm

This elevated form of Papier Mache has been developed by Tapio Säkkinen, Head of Set Workshop / Environmental Head at Finnish National Opera and Ballet as a biodegradable, renewable alternative to fibreglass and plastic based coatings. It's basically raw paper pulp board that would otherwise go on to be processed into other paper products but in its raw state, its fibrous nature makes it perfect for heavy duty Papier Mache.



To use:

- Tear sheets to create feathered edges that become seamless when overlapped.
- Dip into water.
- Then dip into PVA Glue thinned with up to 25% water, if necessary, you can also add a flame retardant at this point. Most all-purpose flame retardants would work but Bio Retard is designed for cellulose-based materials.
- Squeeze out as much liquid as possible, you can do this best by laying out the wet paper on to a wire mesh and squeegeeing out the excess moisture.
- Drying times vary and depend entirely on ambient temperatures but a layer should dry if left overnight somewhere warm. In a cold warehouse it could take many days!



Can be used to coat polystyrene or chicken wire frames, one layer will give a tough impact resistant surface. With the use of a barrier coat or release wax you can even cast the paper into moulds. Scan the QR code for step-by-step instructions and Tapio himself standing on a bowl made from the eponymous paper. Upeaa!

code	length	width	price
PROTAPIO	900mm	800mm	£5.00

MOD MESH

Mod Mesh Aluminium

These are aluminium meshes which form easily in the hand and retain fine detail. Available in fine, medium and coarse gauges. Perfect for masks and small detailed props. May be covered with Mod Roc or the Jesmonite System [page 130].



code	Material	length	width	hole length	hole width	price
PROM078A	Fine	3m	500mm	2mm	1mm	£19.65
PROM078C	Medium	3m	500mm	4.5mm	2.5mm	£19.45
PROM078F	Coarse	3m	500mm	10mm	5mm	£19.98

Mod Mesh Copper

All the features of the aluminium meshes but this copper mesh can also be soldered.



code	Material	length	width	hole length	hole width	price
PROM074A	Medium	3m	500mm	3mm	2.5mm	£91.12

CHICKEN WIRE

Chicken Wire

Unfortunately, it is now hard to source the "galvanised after" wire netting. For propmakers galvanised-after mesh is much preferred because it holds its shape better than the rather springy chicken wire made from pre-galvanised wire. We can still obtain 50 m rolls of 25 mm- and 50 mm-hole mesh which is "galvanised after" [to BS 443 EN 10223/2] but the smaller rolls are sadly made from pre-galvanised wire.

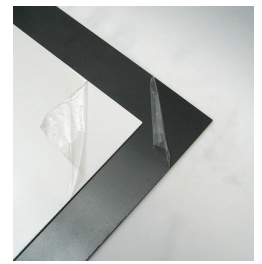


code	Type	length	width	gauge	price
PR0300	Pre-galvanised	10mm	900mm	22g	£22.60
PR0310	Pre-galvanised	25mm	900mm	22g	£49.95
PR0301	Pre-galvanised	10mm	900mm	20g	£19.98
PR0302	Pre-galvanised	10mm	900mm	19g	£13.04
PR0314GA	Galvanised after	50mm	900mm	20g	£89.98
PR0301GA	Galvanised after	50mm	900mm	20g	£62.38

RIGID FOAM SHEETS

Rigid PVC Foam Sheet

Lightweight rigid PVC foam sheet, sometimes referred to as Foamex – a real alternative to acrylic. The sheets are 3 mm thick and measure 605 x 605 mm. Available in black or white. Supplied with a polythene protective film on one side.



- ✓ Both faces semi-matt, ideal for printing and painting
 - ✓ Self-extinguishing Class 1 fire rating
 - ✓ Weather resistant and rotproof
 - ✓ Can be nailed without splitting [blunt the nail head first and nail at least 6 mm from the edge]
 - ✓ Easy to machine, no specialist tooling
 - ✓ Fully thermoformable
- A full information sheet is downloadable from our website – flints.co.uk.

code	Colour	length	width	thickness	price
PRO1002114W	White	605mm	605mm	3mm	£7.13
PRO1002114B	Black	605mm	605mm	3mm	£7.13

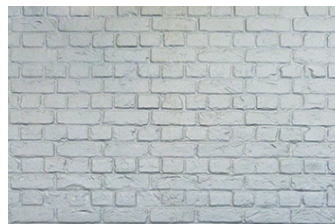
VACUUM-FORMED SHEETS

Vacuum-Formed Sheets

This is an economical way to achieve large areas of brick and stone effect. Made from 0.3 mm flame retardant PVC these sheets are very lightweight. Prepare the surface using Covent Garden Primer or new RCS Primer [page 15]. Adding these primers into subsequent paint coats will help them stick and resist scratches. Use a flexible paint like Rosco Supersaturated [page 17] because once cut out these sheets can be rolled up. When the basecoat is dry, the topcoat can be textured using a paint technique and the mortar accentuated with a texturing material [page 50]. Joins can be disguised with muslin. Staple to ply clad flats. Only available in grey.



Rough Worn Brickwork



Brickwall English Bond Brickwork



Rough Slates



Rubble Stone Wall

code	description	length	width	thickness	price
PROVAC01	Rough Worn Brickwork	2235mm	1040mm	12mm	£29.00
PROVAC02	Brickwall English	2394mm	1070mm	12mm	£29.00
PROVAC03	Rough Slates	2270mm	1060mm	20mm	£29.00
PROVAC04	Rubble Stone Wall	2240mm	1040mm	40mm	£29.00

ALUSHAPE

Alushape

Aluminium shim that can be manipulated into shape very easily by hand. We stocked this product many years ago but we discontinued it as sales were slow. We thought it was a real shame at the time as it's an ingenious product, can be endlessly reused, lightweight and inherently flame retardant. We were convinced that it was worth re-introduction following a visit to Nottingham Playhouse. We were invited by their Sustainability Officer - Talie Smith to speak at their Sustainable Productions Summit and see their new show "The Children" which used Alushape to great effect for a cliff face at the front of the stage, with texture added by paper based Dekozell (See page 50). Conventional wisdom would have been to carve and overcoat the cliff face from polystyrene blocks, generating lots of waste material. So now Alushape is back, sold by the linear metre in 3 varieties depending on your application.

Alushape Cretonne

One side has been pre mounted with canvas making painting or adding texture a breeze.

Alushape Brut

This is bare, uncoated aluminium, most scenic paints will stick to the surface but for durable results, prime with Flints Multipurpose or Four2Four Primer prior to painting.

Alushape DIY

Adhesive backing on one side only for sticking directly on to surfaces or laminating with a material of your choice.



Alushape Brut



Alushape Cretonne



Alushape DIY

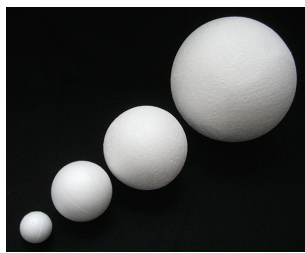
code	description	width	per m
PROASBRT	Alushape Brut	1350mm	£27.35
PROASCRE	Alushape Cretonne	1250mm	£35.79
PROASDIY	Alushape DIY	1250mm	£27.05

PROPMAKER'S MATERIALS

EXPANDED POLYSTYRENE BALLS & BEADS

Polystyrene Balls

Turned and moulded flame retardant polystyrene balls for set decoration and props. Also can be ordered in other sizes.



code	Type	diameter	price
PROPB50	moulded	50mm	£0.76
PROPB100	moulded	100mm	£1.89
PROPB150	cut	150mm	£29.76
PROPB250	cut	250mm	£56.29

Flints Flame Retardant Eco Bio Beads

Sustainable, renewable, expanded polylactic acid Bio Beads made from corn starch and sugar cane used in just the same way as polystyrene. Great for lightweight gap filling, adding to textures or even filling up a bean bag. BioBoard coming soon. Compostable to EN 13432 standard and FR grade to BS 5852:Part2:1982. Cradle to Cradle certified



code	volume	price
FHSBB60L	5 cubic feet	£38.70

BIO BASED POLYSTYRENE ALTERNATIVE

Composta Block

Biodegradable, recyclable, compostable polystyrene alternative! NEW Composta Block™ is made from expanded PLA [Poly-Lactic Acid], a renewable polymer derived from the biomass from plants, such as corn & sugar cane. The easiest switch - just carve using the same tools you normally use! The density of this material is halfway between standard EPS [Polystyrene] & Modelfoam, which allows for greater detail when carving. It can be cut successfully with a hot wire, but because of the higher density smooth cuts can only be achieved at a higher temperature which produces more smoke than would be seen in EPS. The smoke produced has a sweet, burnt sugar smell, and, although more pleasant than working with traditional polystyrene, we advise working in a well-ventilated area and wearing appropriate PPE. Carving at lower temperatures reduces the smoke point, but takes a lot longer, so we would recommend carving primarily with knives, wire brushes or surforms, as good details can still be achieved. In its molten form, the Composta Block™ is very sticky and sets to a hard brittle plastic so cut edges can be a little sharp. Fully compostable, the Composta Block™ naturally biodegrades in the presence of bacteria & living organisms, especially when subjected to the right composting environment. At ambient temperatures it can be used in practically every scenario that you could use EPS, without affecting the performance. Currently only available in a small sheet size, Composta Block™ can be coated and glued similarly to EPS, but with its' added solvent resistance it will take any contact adhesive and has more coating options including the option to use polyester resins directly on to the surface of the Composta Block™ without skimming it first.



- ✓ Fully Biodegradable & Compostable
- ✓ Recyclable
- ✓ From a Renewable Source
- ✓ Carbon Neutral



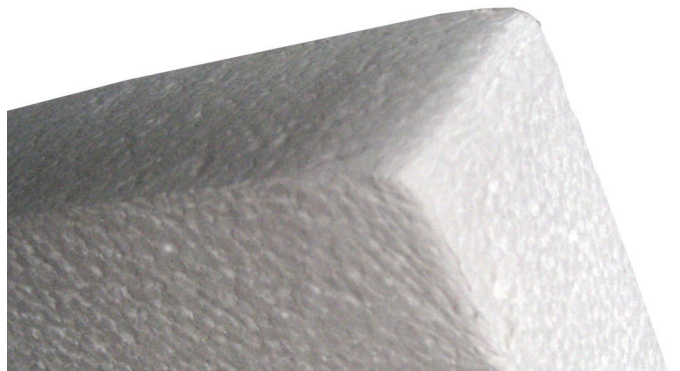
code	length	width	thickness	price
PROBPB4	855mm	565mm	40mm	£49.50

FLAME RETARDANT-GRADE POLYSTYRENE

Expanded Polystyrene

Flints stock two thicknesses of flame retardant-grade polystyrene in black or white. Polystyrene should be glued using a suitable adhesive such as Tretobond 375 or General Purpose Adhesive 1088. Flints Cyclorama Adhesive, Copydex, Flexbond and two part foams are also suitable.

NB: Due to packaging difficulties, this product cannot be sent on parcel carriers. Flints can deliver on our London Van Run route [see back of catalogue for postcodes], or it can be collected from our trade counter. For Black Foamboard see page 116. For Polystyrene Balls see above.



code	Colour	length	width	thickness	price
PROFRP1	White	2400mm	1200mm	25mm	£15.70
PROFRP2	White	2400mm	1200mm	50mm	£23.60
PROFRP1B	Black	2400mm	1200mm	25mm	£22.30
PROFRP2B	Black	2400mm	1200mm	50mm	£31.95

Some thoughts on polystyrene

Although super useful stuff - lightweight, robust, carve-able, the environmental impact of polystyrene is horrendous. On top of all that we have recently been struggling to source it! Thankfully some good news - there are now alternatives. As well as Composta Block™ there are our amazing new Bio Beads, which are compostable, flame retardant, and can be used just the same way as polystyrene. Read more about sustainable theatre production and Flint's thoughts and efforts on pages 424-427.

POLY BOARD HOLDER

Poly Board Holder

The best-looking Poly Board Holder in smart black powder-coated steel. Floor standing. Takes a 50 mm sheet but extend their usefulness by having one side a sheet of our 25 mm white FR polystyrene and the other side a sheet of our 25 mm black FR polystyrene [find the range on previous page] – white for a soft light, black to create harsh shadows for sculpting. With four non-marking plastic stand off feet.

Dims L x W x H: 457 mm x 216 mm x 267 mm.

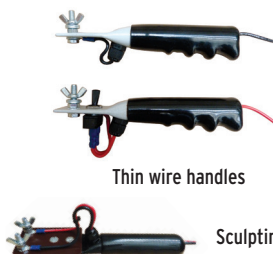


code	weight	takes sheet size	price
DOUG1147	1.75kg	50mm	£51.43

POLYSTYRENE CUTTERS

Flints Polystyrene Cutter

A robust machine designed to cut polystyrene up to 8 ft thick using a thin heated wire. The machine also has a thick-wire sculpting facility. Isolated low voltage output for safety with overload cut-out. Continuously variable control including ampere meter to accurately set the wire temperature. Comes with a 12 month limited warranty. Available in 240 V and 110 V versions.



Thin wire handles

Sculpting wire handle



code	description	price
FHSPOLY	Polycutter Machine only 240 V [White]	£860.48
FHSPOLY110V	Polycutter Machine only 110 V [Yellow]	£860.48
FHSPOLY2WH	Thin-wire handles [pair]	£102.80
FHSPOLYSH	Sculpting wire handle	£68.15
PROT400SW16	Sculpting Wire per metre Ø 1.6 mm	£4.30
PROT400SW16D	Sculpting Wire 29 m roll Ø 1.6 mm	£109.35
PROT400CW	Thin cutting wire 125 g reel Ø 0.71 mm	£29.95
FHSPOLYK	Machine with both handles & both wires 240 V	£998.00
FHSPOLY110VK	Machine with both handles & both wires 110 V	£998.00
FHSPOLYFUSE	Spare fuses	£1.50

Edma Handheld Hot Knife Foam Cutter

Hot knife with with cooling system for continuous operation. An innovative new tool to cut polystyrene. Simply plug in, attach a blade and squeeze the trigger to operate. Cuts through polystyrene like butter leaving no mess. Includes 2 long blades for slicing the board into shapes accurately and groove cutter that cuts channels, great for creating raised designs. Dial on handle to adjust the heat settings.

Kit Includes: 1 x 200mm Blade, 1 x 250mm Blade, 1 x 30mm Groove Cutter, 1 x Wire Brush for cleaning, 1 x Blade Fixing Key. CE certified. All supplied in compact carry case.



code	description	price
PRO3675	Edma Handheld Hot Knife Foam Cutter	£235.10

Edma Hot Knife Guide

Guide for Edma Hot Knife to cut straight lines from up to 210mm from edge



code	description	price
PRO4666	Edma Hot Knife Guide	£49.85

Proxxon Hot Wire Bow Cutter

Lightweight Bow Cutter for Polystyrene, soft and rigid foams, thermoplastics or Compostablock. The throat of the cutter is 200 mm wide and has a cutting width of 400 - 650 mm, which makes it perfect for cutting in straight line or shaving down blocks.

For large scale carving you can't beat a proper Polycutter that can heat a wire up to 8 ft long but they are quite the investment, not to mention very heavy. This Bow Cutter is a reasonably priced alternative that just plugs straight to the wall with a 230V plug.

SPECIFICATION: 230V. 50/60Hz. 50W.

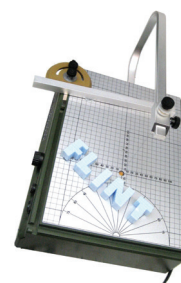
Secondary voltage max. 40V, 1.2A. Cutting temperature of wire Ø 0.2mm continuously variable from 100 - 350 °C. Weight 850g. Insulated to Class 2



code	price
PRO105036	£66.15

Proxxon Thermocut Bench Cutter

Ideal for architectural and theatre modelmakers. The 390 x 280 mm working surface is of aluminium CoBond compound. This eases the pushing of work pieces. The table top has a printed grid and protractor. Supplied with a dual function fence with lockable feed bar. The throat depth is 350 mm and the machine will cut material up to 140 mm thick. Cutting wire temperature is variable between 100° and 200°C. Weighs approx 3 kg. Insulated to Class 2 requirements. 240 V, 50/60Hz. Working space: 390 x 280 mm.



code	description	price
PRO27080	Polystyrene Cutter	£95.82
PRO28080	Spare Wire [30 m length x 0.2 mm dia.]	£6.90

Proxxon Hot Wire Cutter

The wire can be deformed with pliers or by hand to create a profile for easy freehand cutting into polystyrene. The pivoted fixing element can extend the wire up to 200 mm. Takes just 1 second to heat up! The Wire Cutter must be used with the Micromot Adaptor. Sold separately or as a kit.

Specification: Cutter: 12V. 60W. 50/60Hz; temperature is variable between 150° and 350°C. Adaptor: Micromot NG 2/S 2A Single Speed 12V.



code	description	price
PRO211076	Proxxon Hot Wire Cutter Thermocut 12/E	£32.40
PRO476059	Proxxon Micromot Mains Adaptor	£27.23
PRO211076K	Kit of both of the above	£59.63
PRO212470	Spare Wire [200 m length x 0.85 mm dia.]	£13.73