

# PROPMAKER'S MATERIALS

To help you find just what you need we have organised this section so it starts with stringy things, then lumpy things, then blobby things, then sheety things and finally...

"All sorts of queer things,  
Things never seen or heard or written about,  
Very strange, un-Welsh, utterly peculiar  
Things. Oh solid enough they seemed to touch,  
Had anyone dared it. Marvellous creation,  
All various shapes and sizes, and no sizes,...."

[an extract from Welsh Incident by Robert Graves]

Many other propmaking materials are listed elsewhere in this catalogue.

## 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 SIWA2 [page 70] and textured with Idenden Brushcote or Flints Mud [page 45 & 46]. I have heard it is also used for pyrotechnic fuses.

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

## WIRED PAPER ROPE



**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 SIWA2 [page 70]. It can be directly painted or textured with Idenden Brushcote or Flints Mud [page 45 & 46] or it can be scrimmed with muslin [page 134]. "Branches" and "twigs" can be bound together using unbleached cloth tape [page 272]. 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.

Wired Paper Rope	code	per m	coil code	per coil	10+
thickness			approx coil length		
13.8 mm	PRO121W	£0.93	250 m	PRO121WD	£188.16 £151.58
18 mm	PRO122W	£1.43	100 m	PRO122WD	£117.60 £94.73

## 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.

Galvanised Single Strand Wire	code	price
diameter	500 g length	
0.71 mm	161 m	WIR060 £3.85
0.90 mm	100 m	WIR061 £3.75
1.00 mm	81 m	WIR063 £3.65
1.25 mm	51.9 m	WIR065 £3.52
1.60 mm	31.6 m	WIR067 £3.40
2.00 mm	20.3 m	WIR069 £3.30
diameter	5 kg length	
2.5 mm	130 m	WIR075 £22.43
diameter	10 kg length	
2 mm	407 m	WIR076 £54.25
3.15 mm	164.1 m	WIR078 £39.85

## 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.

Round Aluminium Armature Wire	code	price	10+
diameter	length		
0.7 mm	3 x 10 m	ARM0730	£9.90 £8.91
1.5 mm	17 m	ARM15	£5.28 £4.89
2 mm	9 m	ARM20	£5.98 £5.38
3.2 mm	10 m	ARM32	£8.91 £8.27
4 mm	3 m	ARM40	£5.28 £4.89
5 mm	3.75 m	ARM50	£6.50 £5.85
6 mm	2.5 m	ARM60	£6.85 £6.17
8 mm	3 m	ARM80	£12.60 £11.69
10 mm	3 m	ARM100	£13.38 £12.40



**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 100, for Tin Snips and Shears see page 309.

Square Aluminium Armature Wire	code	price
square	length	
3.18 mm	5 m	ARM318S £6.60
4.75 mm	5 m	ARM475S £12.57
6.35 mm	3 m	ARM635S £17.12
9.53 mm	3 m	ARM953S £19.98



**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 100.

Coloured Aluminium Wire			code	price
colour	diameter	approx. length		
Black	2 mm	12 m	ARM02N	£3.90
Red	2 mm	12 m	ARM02R	£3.90
Pink	2 mm	12 m	ARM02P	£3.90
Green	2 mm	12 m	ARM02GR	£3.90
Gold	2 mm	12 m	ARM02G	£3.90
Mixed pack of 5 rolls			ARM02K	£17.00

**PLASTIC BARBED WIRE**



Plastic barbed wire in situ; Not About Heroes, 2014, Theatr Clwyd, Director: Tim Baker, Designer: Mark Bailey, Wilfred Owen played by Owain 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 45]). 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 you barbed wire last longer, sold in packs of 10.

Plastic Barbed Wire	code	price	10+	100+
5 m	PROPBW05	£16.50	-	-
30 m	PROPBW30	£79.00	£70.90	-
Spare Barbs [pack of 10]	PROPBWS	£2.50	£2.20	£1.80

**HESSIAN BAGS**

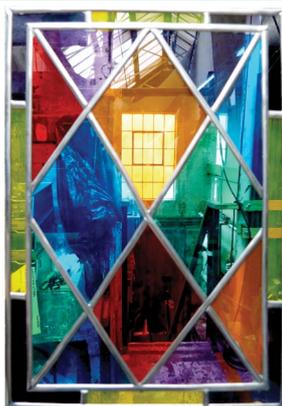


**Hessian Bag** These hessian bags are ideal to complete a wartime or disaster scene. The bags are supplied empty but that doesn't make a very interesting photo so we

filled one with Foam Crumbs [page 48] to replicate an authentic but lightweight sandbag. For exterior shoots see Smoke Grenades page 106.

Hessian Bag	L x D	code	price
Empty	800 x 330 mm	PROCATBAG	£1.75

**SELF-ADHESIVE WINDOW LEAD TAPE**



Glass window with self-adhesive lead and painted with Hatolite [page 31].



**Self-adhesive Window Lead Tape**

An easy to use self-adhesive lead tape to make realistic leaded windows. Use **Regasheen**, a special water-based product, to produce an aged effect on lead window tape. For French Enamel Varnish and Hatolite

see page 31.

Self-adhesive Window Lead Tape [50 m]	code	50 m
4.5 mm wide	TAP161	£16.07
6 mm wide	TAP162	£16.50
9 mm wide	TAP163	£21.22
12 mm wide	TAP164	£29.95
250 ml Regasheen Plus	TAP165N	£10.39

**PLASTICINE**



**Plasticine** Simple to use non-toxic modelling medium, available in a range of colours. It can be used, and re-used, for every modelling job, easy to shape. Conforms to BS 5665 CE.

Plasticine	code	500 g
Black	PRO490	£2.19
Dark Blue	PRO491	£2.19
Light Green	PRO492	£2.19
Red	PRO493	£2.19
Stone	PRO494	£2.19
Terracotta	PRO495	£2.19
White	PRO496	£2.19
Grey	PRO497	£2.19
Violet	PRO498	£2.07

**SUPERSCULPEY**



After curing Super Sculpey can be further worked into



**Super Sculpey** A polymer clay that stays soft and malleable until baking. Ideal for use in animation, prototypes, mould making and sculpture. Super Sculpey 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. After curing in the oven, Super Sculpey can be further worked into through sanding, drilling, carving and painting with water-based acrylic paints.

Super Sculpey	size	code	list	price
Original Beige	454 g	PROSS1	£20.00	£19.00
Firm Grey	454 g	PROSS2	£22.32	£20.00

**PLASTILIN**



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

Plastilin	code	1 kg
Standard Grade [Ivory]	PROPLS	£7.98
Hard Grade [grey]	PROPLH	£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.

Milliput	code	113.4 g
Standard, Grey/Yellow	FIL190	£3.70
Superfine White	FIL193	£5.85
Black	FIL195	£6.45
Silver Grey	FIL192	£6.55
Terracotta	FIL191	£4.22

**For clay and other mouldmaking materials see page 123.**

**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 quick-setting, 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 unmount. 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 123] to support the Alginate or consider a Plaster of Paris mould to do the job [page 123].

Flints Alginate	size	code	price
Fast	550 g	PROALG550F	£9.98
Slow	550 g	PROALG550S	£9.98

A quick how-to of casting using Flint's Alginate:



Decant a measurement of water into a mixing bowl



Measure a volume of Alginate according to your chosen ratio



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



**Body Double** Body Double Fast Set is a long-lasting silicone rubber that can be applied directly to the skin to make moulds of the face, hands and other body parts. It is supplied in a 454 ml cartridge tube system which mixes the product as it is being dispensed. The rubber cures quickly and reproduces more detail than using alginate. The mould can also be used for repeated castings using plaster, resins etc. Body Double will not stick to skin although it will lock onto hairs. Body Double release cream will make releasing easier. Once the mould has set it should be coated with Vaseline, and a Plaster bandage [page 123] support shell should be made. Full instructions and health and safety sheets are included.

Body Double	code	Tradeline
Dispensing cartridge[+ 2 mixing nozzles] [2 x 0.9 kg]	PROSKN1	£66.92
Extra mixing nozzles	PROSKN2	£3.12
Body Double release cream [per 3.5 oz]	PROSKN3	£14.90
Dual cartridge dispensing gun	PROVBM200X	£52.38

**WOODEN BALLS**



**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 252. For coconut tree see page 400.

Wooden Balls	code	price	100+	Tradeline 1000+
diameter				
12 mm	PRO210	£0.17	£0.15	£0.13
19 mm	PRO211	£0.23	£0.21	£0.18
25 mm	PRO212	£0.36	£0.34	£0.32
33 mm	PRO213	£0.66	£0.59	£0.56
50 mm	PRO214	£2.47	£2.32	£2.22
70 mm	PRO216	£5.38	£4.84	£4.60

**WOODEN RIVETS**



**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 32], the Dirty Down Rust Spray [page 69], or HATO®Rust [page 32].



Wooden Rivets "Preferred"		code	price	100+	Tradeline 1000+
diameter	metric				
3/4"	18 mm	PRO200	£0.32	£0.29	£0.27
1"	25 mm	PRO201	£0.35	£0.32	£0.30
1 1/4"	32 mm	PRO202	£0.43	£0.40	£0.38
1 1/2"	38 mm	PRO203	£0.43	£0.40	£0.38

Wooden Rivets "Non-Preferred"		code	price	100+	Tradeline 1000+
diameter					
3/4"	[18 mm]	PRO200NP	£0.55	£0.51	£0.49
1"	[25 mm]	PRO201NP	£0.56	£0.52	£0.50



**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

Hex Rivets	size	code	price	100+	Tradeline 1000+
	M12	PRO220	£0.28	£0.25	£0.23
	M16	PRO221	£0.30	£0.27	£0.25

**How many rivets will I need?**

If you are making a model of the Eiffel Tower then you will only need about 2.5 million rivets but if you are working on a model of the Forth Railway Bridge you will need an impressive 6.5 million!

**WORBLA'S® ART SERIES**



Worbla's® Finest Art

**Worbla's® Art Series** A range of thermoplastics which include sheets and granules. The sheets are easy to cut with scissors or a hot knife [page 207]. For best results soften by using a heat gun [page 282] 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 [page 103] 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 TransArt 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® Black Art    Worbla's® Pearly Art    Worbla's® TransArt    Kobra Cast

**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® TransArt**

✓ Remains clear after heating; can be stained or painted with Hatolite [page 31]; 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 mebrane and mesh combined  
 ✗ More expensive ✗ Scraps can't be reheated and moulded together

Worbla®	Type	Medium	price	Large	price
		500 x 750 mm		1000 x 750 mm	
Finest Art	PROWORB5		£12.45	PROWORB1	£23.50
Black Art	PROWORB5B		£14.00	PROWORB1B	£24.00
Pearly Art	PROWORBP5		£15.00	PROWORBP1	£24.00
TransArt	PROWORB5T		£14.15	PROWORB1T	£25.20
Kobra Cast	PROWORB5C		£17.00	PROWORB1C	£26.00



**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

Worbla's® Deco Art	size	code	price
	250 g	PROWORBDEC250	£10.95

**RHENOFLEX**



**Rhnoflex RX 3145** An excellent value thermoplastic, Rhnoflex 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 Rhnoflex 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 make it ideal for sandwiching within other materials, and will easily both 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 a 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

Rhnoflex RX3145	size	code	price
0.95 mm thick	750 x 1,000 mm	PRORX3145HS	£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 re-applying heat. A clean and time-saving props material which is ideal for making masks and costume props.

Wonderflex 3™	size	code	price
Per 1/2 sheet	698 x 1,092 mm	PROTRMHS	£29.00
Full sheet	1,397 x 1,092 mm	PROTRM3	£49.00

**FOSSHAPE™**



**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. 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.

Fosshape™	width	code	per m	45 m+
White 300 gsm	45" [1,143 mm]	PROFS300	£16.00	£14.40
Black 400 gsm	45" [1,143 mm]	PROFS400B	£23.00	£20.00
White 600 gsm	45" [1,143 mm]	PROFS600	£26.95	£24.25

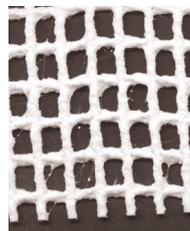
**PLASTAZOTE®**



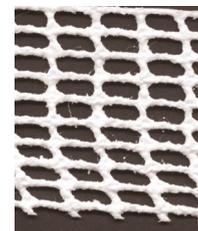
**Plastazote®** A soft expanded polyethylene foam which is tough but easy to cut with scissors or craft knives. It can be vacuum-formed or heat moulded. If heat moulding, pre-heat the oven to 140° C and heat for 12 seconds per mm thickness turning if necessary. It should feel warm but not sticky. Density 45 kg per m<sup>3</sup>. Now available in Black or White!

Plastazote® [1 m x 750 mm]	code	price
3 mm thick	PROPLW3	£6.39
6 mm thick	PROPLW6	£10.28
12 mm thick	PROPLW12	£18.00
Black 6 mm thick	PROPLB6	£11.25

**VARAFORM**



Heavy



Light



Membrane



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



**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.

Varaform Rolls	width	code	per m	10+
Heavy	1,050 mm	PROVAR201	£39.95	£35.95
Light	900 mm	PROVAR211	£30.85	£27.77
Gauze Membrane	1,150 mm	PROVAR221	£38.34	£34.48

Varaform Sheets	width	length	code	per sheet
Heavy	450 mm	600 mm	PROVAR204	£14.75
Light	450 mm	600 mm	PROVAR214	£12.95

**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 heat gun repeatedly to achieve the desired shape. Easily cut with scissors, or a All sheets are approximately 0.3mm thick.

Hatbond CM	width	length	code	price
0.3 mm thick	700 mm	1000 mm	PROHBCM	£15.00

**MOD MESH**



Fine Medium Coarse

**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 115].

For Tin Snips and Shears see page 309



**Mod Mesh Copper** All the features of the aluminium meshes but this copper mesh can be soldered.

Mod Mesh	hole size	width	code	3 m roll
Aluminium Fine	1 x 2 mm	500 mm	PROM078A	£19.07
Aluminium Medium	2.5 x 4.5 mm	500 mm	PROM078C	£19.07
Aluminium Coarse	5 x 10 mm	500 mm	PROM078F	£19.07
Copper Medium	2.5 x 3 mm	500 mm	PROM074A	£74.75

**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.

Chicken Wire "Pre-galvanised"				code	price
length	hole size	gauge	width		
10 m	13 mm	22 g	900 mm	PRO300	£22.60
25 m	13 mm	22 g	900 mm	PRO310	£47.90
10 m	25 mm	20 g	900 mm	PRO301	£20.94
10 m	50 mm	19 g	900 mm	PRO302	£13.04
Chicken Wire "Galvanised After"				code	price
length	hole size	gauge	width		
50 m	25 mm	20 g	900 mm	PRO314GA	£89.98
50 m	50 mm	20 g	900 mm	PRO301GA	£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 more than 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.

Rigid PVC Foam Sheet	L x W x thk	code	price
White	605 x 605 x 3 mm	PRO1002114W	£7.13
Black	605 x 605 x 3 mm	PRO1002114B	£7.13

**VACUUM-FORMED SHEETS**



Rough Worn Brickwork



Brickwall English Bond Brickwork



Rough Slates



Rubble Stone Wall

**Vacuum-Formed Sheets** This is an economical way to get large areas of brick and stone. Made from 0.3 mm flame retardant PVC these sheets are very lightweight. Prepare the surface using Covent Garden Primer [page 10]. Putting Covent Garden Primer in subsequent paint will help it stick and resist scratches. Use a flexible paint like Rosco Supersaturated [page 12] 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 44]. Joins can be disguised with muslin. Staple to ply clad flats, see stage braces on page 152. Only available in grey.

Vac Formed Sheets	L x W x thk	code	Tradeline
Rough Worn Brickwork	2,235 x 1,040 x 12 mm	PROVAC01	£25.14
Brickwall English	2,394 x 1,070 x 12 mm	PROVAC02	£25.14
Rough Slates	2,270 x 1,060 x 20 mm	PROVAC03	£25.14
Rubble Stone Wall	2,240 x 1,040 x 40 mm	PROVAC04	£25.14

**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.

Polystyrene Balls	type	code	price	10+
50 mm diameter	moulded	PROPB50	£0.72	£0.56
100 mm diameter	moulded	PROPB100	£1.80	£1.50
150 mm diameter	cut	PROPB150	£28.34	£24.70
250 mm diameter	cut	PROPB250	£53.61	£46.11

**NEW**  
**F**



**Flints Flame Retardant Eco BIOBeads** Sustainable, renewable, expanded polylactic acid Bio Beads made from corn starch and sugar cane you can use 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

Polystyrene Beads	code	price
5 cubic feet	FHSBB60L	£38.70

**FLAME RETARDANT-GRADE POLYSTYRENE**



Also  
in black!

**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.

Expanded Polystyrene	L x W x thk	code	price
White	2,400 x 1,200 x 25 mm	PROFRP1	£15.70
White	2,400 x 1,200 x 50 mm	PROFRP2	£23.60
Black	2,400 x 1,200 x 25 mm	PROFRP1B	£22.30
Black	2,400 x 1,200 x 50 mm	PROFRP2B	£31.95

**NB:** Due to packaging difficulties, this product cannot be sent on parcel carriers. Flints can deliver on our London Van Run route [see page 385 for postcodes], or it can be collected from our trade counter.

For Black Foamboard see page 103. For Polystyrene Balls see above ↑.

**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 - our amazing new BioBeads, which are compostable, flame retardant, and can be used just the same way as polystyrene will soon be joined by a BioBoard! Sadly didn't quite make the print deadline, but please keep an eye out, and make your #ecoswap if you can.

Read more about sustainable theatre production and Flint's thoughts and efforts on pages 2-3.

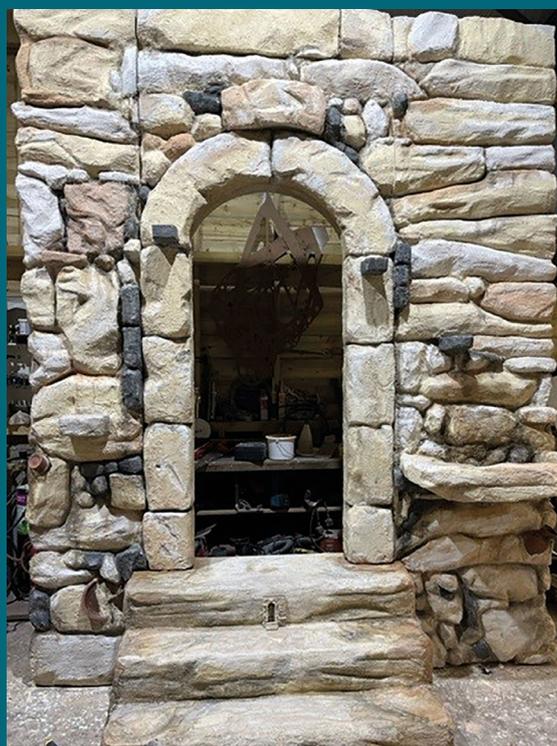
**POLY BOARD HOLDER**



**Poly Board Holder** The best-looking Poly Board Holder in smart black powder coat. 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 see above ↑ – white for a soft light, black to create harsh shadows for sculpting. With four non-marking plastic stand off feet. Steel. Dims LxDxH: 457 x 216 x 267 mm.

Poly Board Holder	weight	code	price
50 mm	1.75 kg	DOUG1147	£51.43

**Product Spotlight**



This stunning stone wall was carved by Penny Spedding from Polystyrene and then coated in a range of the Jesmonite AC730 Stone Finishes [page 116]. It was created for *Hakawatis* at the Sam Wanamaker Playhouse, and designed by Rosa Maggiora.

**POLYSTYRENE CUTTERS**

Why not hire?  
[page 381]



**F**  
HIRE

**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 sculping 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. Now Available in 240 V and 110 V versions.

Flints Polystyrene Cutter	code	price
Polycutter Machine only 240 V [white]	FHSPOLY	£860.48
Polycutter Machine only 110 V [yellow]	FHSPOLY110V	£860.48
Thin-wire handles [pair]	FHSPOLYTW	£102.80
Sculpting wire handle	FHSPOLYSH	£68.15
Sculpting wire [per metre. Ø: 1.6 mm]	PROT400SW16	£4.30
Sculpting wire [29 m reel. Ø: 1.6 mm]	PROT400SW16D	£109.35
Thin cutting wire [per 125 g reel Ø: 0.71 mm]	PROT400CW	£29.95
Machine with both handles & both wires 240 V	FHSPOLYK	£998.00
Machine with both handles & both wires 110 V	FHSPOLY110VK	£998.00
Spare fuses	FHSPOLYFUSE	£1.00

**NEW**



**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.

**NEW**



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

Edma Handheld Hot Knife	code	price
Edma Handheld Hot Knife Foam Cutter	PR03675	£235.10
Edma Hot Knife Guide	PR04666	£49.85



**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.

Proxxon Thermocut Bench Cutter	code	price
Polystyrene Cutter	PRO27080	£95.82
Spare Wire [30 m x 0.2 mm]	PRO28080	£6.98



**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.

Proxxon Hot Wire Cutter	code	price
Proxxon Hot Wire Cutter Thermocut 12/E	PRO211076	£33.32
Proxxon Micromot Mains Adaptor	PRO476059	£29.15
Kit of both of the above	PRO211076K	£58.56
Spare Wire [200 x 0.85 mm]	PRO212470	£13.98