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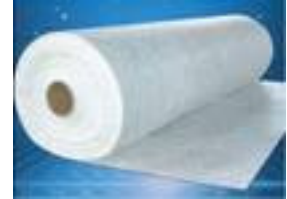
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Prices are excluding VAT at the current rate.

GLASSFIBRE REINFORCEMENTS



Chopped Strand Mat – (450g/m² standard)

Standard roll is approx. 3 ft (92 cm) wide, and c.75 mtr long, though this may vary. Grades are 300, 450, 600 and 900g/m², and the material is sold by weight. Standard material is emulsion bonded though powder bound can be supplied to order.

----- € per kg -----	1 m ²	1kg	<10 kgs	> 10 kgs	Full Roll
300, 600, 900 g/m² also available	4.13	6.00	5.00	4.50	3.00
Combination Mat 600:300 g/m ²	8.00	9.50	8.25	7.00	6.00

Chopped Strands

Chopper Gun rovings cut to uniform lengths of 3mm, 4.5mm, 6 mm and 25 mm. These are added to a resin mix to make a thick paste for awkward corners.

3, 4.5, 6 and 13mm available	8.60	6.50	5.50	5.00
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Chopper Gun Rovings

Rolls of continuous E-glass strands rovings, approx. 19 kgs each, for use with a Glass Chopper gun.

c. 20kg cheese				4.50 / kg
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Surfboard Cloth

200 g/m² plain weave 1m and 0.8m wide

per m ²	< 10 mtr	> 10 mtr	25m+
6.00	5.00	4.50	3.50

Woven Roving

1 m wide rolls, sold by weight.

	1m ²	1kg	<10kgs	>10kgs	Full roll
280, 600, g/m² available	6.00	9.00	8.50	7.00	5.50

Carbon Fibre

	1m ²	5m ²
204g/m ² 2x 2 twill	32.00	150.00

Non Woven Core Material

Upica non-woven mat is available in 1,2,3,4 and 5 mm thickness, and gives a much higher strength: weight ratio than a standard CSM/WR laminate. Material is 1 mtr wide and sold by linear metre.

Various thicknesses:			
1mm		7.50	4.95
2mm		8.50	5.35
3mm		10.00	6.50
4mm		13.00	8.25
5mm		15.00	10.00

Woven Glassfibre Tape

Woven glassfibre tape, in various widths from 25mm (1") to 150mm (6"), sold per linear metre or 50 mtr. roll. The material is a light open weave of 180g/m² and typical uses include 'stitch and glue' boat construction, and wrapping around a repair to give a neater finish than standard CSM.

Various widths:		Per mtr	50m roll	(per mtr)
1" (25mm)		0.35	11.50	(.23/mtr)
1.5" (40mm)		0.45	13.00	(.26/mtr)
2" (50mm)		0.55	14.00	(.28/mtr)
3" (75mm)		0.65	15.00	(.30/mtr)
4" (100mm)		0.85	27.50	(.55/mtr)
6" (150mm)		0.95	38.00	(.76/mtr)



Surface Tissue

Very light weight (c. 35g/m²) tissue used for improved chemical resistance on a gelcoat or resin rich surface, ensuring an even thickness, freedom from cracking, and a long life product. Used as a final coat surface tissue is also used to improve the surface finish of the laminate.

Per mtr.	Full Roll
2.50	1.00 / mtr

Prices are excluding VAT at the current rate.

POLYESTER RESINS

GRS11-General Purpose Resin				
Isophthalic resins, vinyl ester and other resins are also available				
1 kg	2.5 kg	5 kg	25kg (Keg)	225kg (Drum)
(€15 incl VAT & catalyst) €10.95/kg (ex VAT and catalyst)	(€25 incl VAT & catalyst) €7.60/kg (ex VAT & catalyst)	(€35 incl VAT & catalyst) €5.29/kg (ex VAT & catalyst)	€124.54 incl VAT) €4.05/kg (ex VAT)	POA
<p><u>Bulk Discounts on 5kg and 25kg GP Resin</u></p> <p>2 – 3 of any container 10% discount</p> <p>4 or more “ “ “ 15% discount</p>				

Gelcoat						
Gelcoat is applied against the mould surface and is the outside finish on the final part.						
GRS13-Clear Gelcoat		1 kg	2.5 kg	5 kg	25kg (Keg)	225kg (Drum)
Prices are per kilo		12.20	8.00/kg	6.50/kg	4.70/kg	POA
GRS14-White Gelcoat		12.20	8.00/kg	6.50/kg	4.75/kg	POA

Flowcoat					
Flowcoat has a consistency between that of gelcoat and of resin but has a wax additive content to ensure a tack free surface when fully cured. It is used as a final coat on a GRP laminate and gives a finish similar to a paint finish. A non-slip flowcoat is also available for use on walkways such as boat decks.					
Prices are per kilo	1 kg	2.5 kg	5 kg	25kg (Keg)	225kg (Drum)
Standard Flowcoat - Clear	12.20	9.00/kg	7.60/kg	5.20/kg	POA
Standard Flowcoat - White	12.20	9.00/kg	7.75/kg	5.35/kg	POA
Standard Flowcoat – L/A Grey	16.60	10.00/kg	9.00/kg	6.70/kg	POA
Crystic ROOF Flowcoat Available in Light or Dark Grey	12.20	9.00/kg	7.60/kg	4.70/kg (20kg cans)	POA
Non slip Flowcoat - Clear Can be pigmented various colours	12.20	10.00/kg	9.00/kg	6.50/kg	POA
Non slip Flowcoat – L/A Grey	16.60	12.00/kg	11.00/kg	7.50/kg	POA

Casting Resin					
Where resin is being cast into solid blocks, various special purpose resins are available which cure with reduced exotherm, thereby reducing shrinkage and the possibility of cracking. The resin is available ready to be loaded with filler; at up to approx. 60% by weight, reducing costs, or crystal clear, for casting ornaments etc.					
Water clear synolite 0328	14.00	10.50/kg	8.00/kg	7.25/kg	POA
Standard casting resin	12.20	8.00/kg	6.50/kg	4.60/kg	POA
Surfboard Resin	16.60	15.90/kg	11.00/kg	7.80/kg	POA

Prices are excluding VAT at the current rate.

SOLVENTS AND ADDITIVES

MEKP Catalyst – hardener for Polyesters

Packaged in plastic containers to suit standard resin quantities.

	25gm:	1.45	500gm:	8.26
	50gm:	1.67	1kg:	12.40
	100gm:	2.48	2.5kg:	25.00
			5kg:	35.00

Acetone Solvent

A highly inflammable solvent used for cleaning brushes, rollers, etc. before the resin has cured.

	500 ml:	5.00	2.5 ltr:	11.50
	1 ltr:	7.50	5 ltr:	16.10
			25 ltr:	65.00

Cobalt Accelerator

Cobalt Accelerator available in 6% solution. Cobalt accelerator can also be diluted with acetone for use as a primer when laminating onto timber.

			6% Solution	
		100 gm:		5.00
		500 gm:		12.50
		1 kg:		22.50

Wax Additive

Paraffin wax dissolved in styrene solution which is added to gelcoat prior to application to ensure a tack free surface on the cured material.

	500 gm:	8.50	1 kg:	11.50
			5 kg:	37.50



POLYESTER COLOUR PASTES

Colour	0.5kg	1kg
Grey	10.00	15.00
White	10.00	15.00
Black	10.00	15.00
Blue	11.50	16.50
Red	16.75	21.00
Green	13.00	18.00
Yellow	11.00	16.00
Brown	14.00	19.00

A wide range of colours are available ex. stock. BS, RAL and other standard colours can be mixed on request. Minimum charge for mixed colours, €20

MAINTENANCE PRODUCTS

Product	Size	€
Farecla Gel Coat Restorer & Wax Effectively removes oxidation, chalking and minor scratches from gel coats. This unique formulation includes wax to give you added protection and shine.	500ml	16.53
Farecla Ultimate UV Wax Premium quality wax which gives you excellent high gloss finish and protection. Its revolutionary formula provides a durable finish for up to 3 months.	500ml	15.33
Plastic Padding Marine Filler for filling and sealing GRP, steel, aluminium, wood etc.	130ml	8.00
	560ml	18.00
Plastic Padding Gel Coat Filler repairs holes and scratches on glassfibre and enamel.	165g	10.00

Prices are excluding VAT at the current rate.

LAMINATING TOOLS

Laminating Brushes

Standard Chinese hog bristle brushes, available with white bristles, in sizes from ½" to 6".

1" – 25mm	Each:	0.90	Per dozen:	7.80	(0.65 ea)
2" - 50mm	"	1.45	"	12.00	(1.00 ea.)
3" - 75mm	"	1.85	"	17.40	(1.45 ea.)
4" - 100mm	"	2.55	"	25.80	(2.15 ea.)

Paddle Rollers

Manufactured from extruded aluminium, with plastic end caps, these rollers give quick wet out and good air removal from the laminate.

		Complete		Refill	
2" - 50mm	Each:	5.50		3.00	
3 1/2"	"	5.70		3.20	
6"	"	6.00		3.50	
9"	"	8.50		n/a	

Simulated Lambswool Rollers

Used for applying resin to the GRP laminate, prior to consolidating with a paddle or other roller

					Per box (10)
4"	Each	4.75		2.20ea	2.10ea
6"	Each	5.50		3.00ea	2.60ea
10"	Each	5.90		3.40ea	3.00ea

Simulated Mohair Rollers

Used to apply gelcoat to the mould surface, and also for finishing with a flowcoat.

					Per dozen
4"	Each	4.75		2.20	2.10ea
6"	Each	5.50		3.25	2.80ea
10"	Each	6.00		3.50	3.10ea
Replacement Handles for all Rollers :				2.50	

Spiral Bristle Rollers

Nylon bristles wound around a metal core reduce splashing and very effectively consolidating the wetted glass.

		Complete		Refills	
2"	Each.:	17.50		11.00	
4"	"	19.00		12.50	
6"	"	22.30		15.80	
Replacement Handles :				6.50	

Corner Rollers

Used for consolidating laminates in sharp corners, and places inaccessible to normal rollers. The single washer is 8 mm wide and 37 mm diameter.

Each:	8.99
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Prices are excluding VAT at the current rate.

GRP LAMINATING ANCILLARIES PACKS

PACK A : € 30.00 including VAT

- 1 x 2" or 3 " paddle roller (for consolidating resin/glass)
- 1 x 4" longpile roller (for applying resin)
- 3 x 4" longpile roller refills
- 2 x 3" brushes (for applying flowcoat)
- 500ml Acetone (tool cleaner)
- 2 x 5L pails
- 2 x stirring sticks

Pack B: € 65.00 including VAT

- 1 x 6" paddle roller (for consolidating resin/glass)
- 1 x 6" longpile roller (for applyingresin)
- 1 x 6" shortpile roller (for applying flowcoat) + 2 x refills
- 3 x 3" brushes
- 2.5 L Acetone (tool cleaner)
- 4 x 5L Pails
- 10 x stirring sticks
- 4 x 30ml measures for catalyst addition

General instructions on working with GRP

DISPENSING EQUIPMENT

Mixing Buckets & Containers					
	Plastic Pail € per unit	Steel Can	Dispensing Bottles for catalyst	0 - 15ml:	10.90
			Drum Taps	0 - 80 ml:	13.50
1 ltr:	1.00			2" steel:	40.00
2.5 ltr:	1.40		Plastic syringes		1.00
5 ltr:	1.50		Measuring cups	30ml	0.10
10 ltr:	2.50		Measuring cup	1L	1.00
25 ltr:	6.50	11.50	Paper cups	9oz	0.20
			Paper cups	22 oz	0.45

RELEASE SYSTEMS

<u>PVA Release Agent</u>			
Poly Vinyl Acetate release agent forms a film on the mould to help ensure a successful release. The blue tint assists in ensuring total coverage, but PVA must only be applied after a release wax. PVA is also available untinted.			
500 ml	7.00	5L	30.00
<u>Honey Wax</u>			
A soft beeswax, ideal for general-purpose use, and a standard in the industry.			
Per 14 oz. Tin:	15.00	Box 12 tins	144.00
<u>APW Release</u>			
A soft paste wax, which gives a very effective release from porous surfaces such as concrete, wood etc. Can be used in conjunction with G4 for best results, but the user should test for successful release on a small portion of the original.			
	Per 500 gram tin:	20.00	

ADHESIVE TAPES

<u>Masking Tape</u>			
48mm x 50mtr:	2.75 per roll	5 + rolls:	2.50 per roll
24mm x 50mtr:	1.50 per roll	9 + rolls:	1.20 per roll

SANDING & POLISHING

<u>SIA Sandpaper</u>		<u>Sanding Sisks</u>	1.50 each
P40 - P1200	0.70 / sheet	<u>Mutton Cloth</u>	1kg roll 9.30
<u>Handy Cloths</u>		<u>Tack Rags</u>	
Polypropylene cloths for wax removal, polishing and general buffing		An impregnated slightly tacky cloth, for removal of dust immediately before gelcoating of the mould	
Per 5kg box:	28.10	Per box:	8.00
<u>Rubbing Compound</u>			
Water based, with no solvents or silicones, Durabuild rubbing compounds, were developed specifically for use on GRP surfaces. Ideally used with a Velcro Buffing or Finishing Pad (see below)			
* 1000	removes lighter scratches from moulds and finished parts		
* 2000	removes 600 grit scratches and polishes gel coat surfaces		
* 3000	removes fine scratches leaving high gloss finish		
	per kg:	12.00	5 kg pail: 55.00
<u>Polishing System</u>			
Velcro backed pads to fit on a backing pad with 14 mm threaded screw for polishing machine, to be used with the Durabuild compounds above. Available in both Lambswool (coarser) and mohair (fine).			
Velcro Backing Plate	30.00	Mohair Polishing Pad	21.50
Farecla G-Mop	15.14	Lambswool Buffing Pad	18.50

Prices are excluding VAT at the current rate.

PATTERN MAKING

<u>Kleen Klay Modelling Putty</u>		
A soft plasticene like putty, which can be shaped easily and is ideal for giving a smooth radius on a sharp internal corner.		
1 lb block: 9.00	5 lb box:	40.00
<u>UPOL Body Filler</u>		
Standard 2-part car body fillers ideal for shaping, filling etc. Easily sanded and can be used in conjunction with resin release N for mould making where the surface shine is not critical, or with the Durabuild range of primers and gloss coats to give a high sheen finish.		
3 kg tin:	30.00	
<u>Plastic Spreader for Body Filler</u>	1.50 each	10.00 / per 10

DURABUILD PRODUCT RANGE

<u>Grey Surface Primer</u>			
A high gloss surface primer for wood, MDF, foam and composite plugs, patterns and models, Durabuild Surface Primer provides rapid coat build up and a smooth surface with high gloss when required. Its low porosity provides a superior fine levelling and filling system on a variety of substrates with superior release properties.			
Coverage at 10mil (250micron) thickness c. 110ft ² (10.5m ²) / US gallon	US Gallon:	POA	
<u>Hi Gloss</u>			
A special blend of polyester primers that produce a tack free, non wax high gloss finish – with chemical resistance, high impact strength and excellent colour and light stability – for composite plugs and patterns and wood product surfaces. Available as standard in black and untinted, to which pigment can be added.			
Coverage at 10mil (250micron) thickness c. 110ft ² (10.5m ²) / US gallon	US Gallon:	POA	POA
<u>High Gloss Putty</u>			
High quality paste designed to provide a strong repair material for all forms of polyester moulds and parts. It is easily sandable yet develops a surface hardness formulated to be used as the finished mould or part surface.			
	Quart:	POA	
<u>Hi Heat Resistant Putty</u>			
This high setting, high heat resistant (up to 230 °C) system offers the user a smooth workable paste with a fast cure time to expedite repairs.			
	1.5kg tin:	POA	
<u>Durabuild Thinners</u>	5 ltr:	55.00	
	1 ltr:	18.00	

ROOFING MATERIALS

Raised edge Trim	17.00	Per 3m length – see note for quantity discount
Fascia Drip Trim	17.00	Per 3m length
Fillet Trim	17.00	Per 3m length
Flat Flash Trim	9.64	Per metre
Roofing sheets – 8 x 4 x 18mm WBP/OSB with 900g/m ² glassfibre sheeting	79.00	Per sheet
NB. 10% discount on 10 lengths or more		

Prices are excluding VAT at the current rate.

FILLER POWDERS

Fillite
An Alumina Silica sphere, which is a by-product of coal burning power stations. These glass bubbles are used to make a thick resin paste for use in awkward places.

20 kg bag:	50.00	10 kg	30.00
10 bags or more	47.00		
5 kg	18.00	1 kg	6.00

Calcium Carbonate
Calcium Carbonate is fine calcite white filler, which is suitable for use in mouldings, which are pigmented, in white or light coloured shades.

25 kg bag:	22.50		
5kg	6.00		
1kg	3.00		

Colloidal Silica (Thixo Additive)
A thixotropic additive for addition to resin to make a putty like paste.

50 gm:	6.00	1.25 kg	30.00
125 gm:	14.00	2.5 kg:	60.00
250gm	16.00	5 kg:	110.00
500gm	18.00	10 kg:	155.00

Glass Bubbles (Light Weight Filler)
Very fine hollow glass spheres of uniform shape, wall thickness and size, which are used as a cost effective very light volume filler.

100 gm:	9.00	2.5 kg:	65.00
500 gm:	25.00	5 kg:	100.00
1 kg:	40.00	10 kg:	185.00

Metal Powders				
	<u>0.5kg</u>	<u>1kg</u>	<u>2.5kg</u>	<u>5kg</u>
Bronze/Brass/Copper	14.00	24.80	61.50	120.00
Silver/Nickel	37.50	68.00		

TOOLS & ANCILLARIES

CSM Wheel Cutter

(Long Life Titanium blade)	22.50	Each
Replacement Blade	7.50	Each

Mixing Sticks

6":	6.00 per 100	
12":	3.00 per 10	

POLYURETHANE FOAM

(50:50 mix by volume) Free rise core density: 42 – 46 kgm³

<u>Kit Wt</u> <u>(kgs)</u>	<u>Iso 174</u>	<u>Res DP6329W</u>	<u>Kit Price</u>	<u>€ / kg</u>
52.5	27.5	25	350.00	6.67
10.5	5.5	5	90.0	8.57
5.25	2.75	2.5	50.00	9.52
2.1	1.1	1	30.00	14.29

Prices are excluding VAT at the current rate

HEALTH & SAFETY

Protective Clothing

Tyvex Disposable Overalls

Per Suit:	7.50	Pack 25:	130.00 (6.00 each)
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Disposable Latex Gloves (100/box)

Per box:	8.50	10 boxes:	70.00 (7.00 each)
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Heavy Duty Gloves

Per pair	2.50	Pack 10:	17.10
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Rigger Gloves

Per pair:	1.20	10 Pairs:	1.00/pair.
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PVC Apron

Each:	10.50
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Safety Glasses

Per pair:	4.50
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Kleenall Hand Cleaner

1 litre pail:	12.50
5 litre pail:	51.20

RESPIRATORY EQUIPMENT

3M 4251 Mask

(High Quality, disposable, dust / fume mask)	Each:	20.00
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Moldex 2405

(Disposable paper dust mask)	Each:	3.00
	Box 20:	50.00

3M 6900 Mask

(High quality, full face mask providing protection against respiratory hazards plus eye and face protection. Filters not included)	Each	98.00
5925 particulate filter	Pair:	3.65
501 Retainer for use with above filter	Pair	4.62
6055 Series organic vapour filters	Pair	15.50

PRIMERS

G4 Dampseal

A single component moisture cured polyurethane that forms a non-porous seal on the surface. Because G4 is moisture cured it is not inhibited from curing by dampness in the substrate, and so is an ideal primer for GRP to surfaces such as concrete.

1kg	22.50
5kg	75.00

FIBROCEM

A range of high quality renders and casting GRC, reinforced with alkali resistant chopped strand glassfibre for use where resistance to abrasion is required.

Fibrocem is suitable for use on exterior or interior surfaces where durability, resistance to attrition and atmospheric pollutants are primary requirements. The system utilises state of the art cement technology to provide rapid setting, dimensionally stable mouldings which are shrink compensated, allowing mould utilisation to be optimised, with a turn around time of c.2½ – 3 hours at ambient temperatures from 15 – 30° C. Fibrocem products dry to a 'Portland Stone' colour, but other colours can also be achieved by the addition of pigments.

Per 25kg bag	38.50 each
10 bags or more	35.00 each
20 bags or more	32.00 each

Prices are excluding VAT at the current rate

FLEXIBLE MOULDING

Where the shape of a part is complicated, and a solid mould is not practical, a number of different flexible mould making materials are available. Choice of which material to use depends on the flexibility required, shrinkage allowed, material to be cast, final surface finish required, number of parts to be cast, time available and of course the cost. The hardness of rubber is measured by its Shore A Hardness. As a guide, skin has a Shore A of approx. 6, while a car tyre is approx. 90

Latex Rubber

A cheap, natural liquid rubber where the mould is made either by dipping the original in the liquid a number of times, or by brushing and air-drying layers to achieve the appropriate thickness. A thixotropic additive is available to facilitate this brush-on process. Latex is a simple, low cost moulding material which gives moulds for short production runs, suitable where high quality is not a priority.

	(0.8kg)1 ltr:	14.00	(4kg)5 ltr:	40.00
	(2 kg)2.5 ltr:	25.00	(20kg) 25 ltr.:	140.00

Latex Thickener

10% addition rate	100ml:	5.00	500 ml:	16.00
	250 ml:	8.00	1LTR	24.00

Esquim Silicone Rubber 491

General Purpose silicone rubber with catalyst	5 kg kit:	18.00 /kg
	25 kg kit:	15.00/kg

Smooth-On Thi-vex (for Moldmax 20, 30 not suitable for 40 or 60)

0.5% thick to 2% thickest	100 gm	9.50
	450 gm	17.50

Polyurethane Rubber

Polyurethane rubbers are two-component systems (base plus curative; A + B) that cover a wide variety of applications at a relatively low cost. They are available for making moulds that are poured, brushed or sprayed onto a model. They are easy to use, with many having a simple mix ratio by volume – no scale required. Flexible urethanes are available in a wide hardness range from gel-like to harder than a car tire and everything in between. They have a relatively low viscosity and de-air themselves. They have good abrasion resistance and are used to cast abrasive materials like concrete. For details about products available see next page – Smooth On products.

Prices are excluding VAT at the current rate

SMOOTH ON PRODUCTS



Listed below are stock items. All other Smooth-On products avail
 For more information on Smooth-On products see www.smoo
 Various literature and DVD's available – contact us for information.

POLYURETHANE RUBBER

Two-component systems that cover a wide variety of applications at a relatively low cost. Available for making moulds that are poured, brushed or sprayed onto a model. Easy to use, no vacuum degassing required and good abrasion resistance.

Brush On 40 – a brushable polyurethane rubber

This is a medium hardness brushable rubber, mixed at a 1 :1 ratio by volume, and is soft & pliable enough for reproducing sculpture, yet has superior physical properties (high tear strength & abrasion resistance) to stand up to production casting of concrete.

Vytaflex

Suitable for concrete and other abrasive materials. Available in 10A, 20A, 30A, 40A, 50A and 60A shore hardness.

Trial kit	US Gallon	5 US Gallon	Trial kit	US Gallon	5 US Gallon
40.00	155.00	POA	25.00	145.00	605.00

POLYURETHANE PLASTICS

Applications for Smooth-Cast® Liquid Plastics include reproducing small to medium size sculptures, making prototype models, roto cast pieces, and special effect props.

Smooth Cast

Smooth Cast 300 and 305 are ultra-low viscosity casting resins, which yield castings that are white, **and virtually bubble free**, and also offer the convenience of a one to one mix ratio (one part A to one part B by volume). They can be filled, and pigmented.

Crystal Clear

Crystal Clear is specifically for applications that require absolute clarity. Low viscosity ensures easy mixing and pouring. Crystal Clear products cure at room temperature* with negligible shrinkage. Cured castings are **UV STABLE** (will not yellow) and are not brittle. Vibrant colours and colour effects are achieved by adding pigment dispersions.

	Trial kit	US Gallon	5 US Gallon	Trial kit	US Gallon	5 US Gallon
300/Onyx	25.00	120.00	POA	39.00	235.00	POA
325	32.50	POA	POA			

Smooth Cast 45/60D/61D/65D

The Smooth-Cast® Semi-Rigid line of low-cost semi-rigid urethane casting resins cure quickly to semi-rigid plastics that offer excellent impact resistance. Vibrant colors are possible by adding SO-Strong® color tints or Ignite® color pigments. These semi-rigid plastics will really take a beating and offer exceptional abrasion resistance. They are good for making high-impact resistance tools, prototypes, abrasion resistant parts, foundry patterns, roller facings, vibration pads, fast concrete stamping pads, etc. Smooth-Cast® 65D (Formerly Smooth-Cast® ROTO) has a unique gradual cure profile that makes it ideal for rotational casting.

Trial kit	US Gallon	
35.00	135.00	






<p><u>Silicone Brush on starter kit</u></p> <p>1 Trial Unit Rebound@25, 1 Trial Unit Plasti-Paste@II, 1 Trial Unit Smooth-Cast@300, Sonite Wax@(0.75 oz), Thi-Vex@(1 oz), How to Booklet, Quick Start Instructions & Starter Kit Companion DVD.</p>	<p>70.00</p>
<p><u>Silicone Pourable Starter Kit</u></p> <p>1 Trial Unit OOMOO@30, 1 Trial Unit Smooth-Cast@300, Super Seal@(2 oz), Ease Release@205 (2 oz), How to Booklet, Quick Start Instructions & Starter Kit Companion DVD.</p>	<p>55.00</p>
<p><u>Sil- Poxy Silicone Adhesive</u></p> <p style="text-align: center;">0.5oz 3 oz</p> <p>Sil-Poxy© is a one component adhesive made specifically for bonding RTV silicone rubber to silicone rubber and other substrates including some plastics (urethane), plasters/ceramics, fabrics.</p>	<p>12.20 26.02</p>
<p><u>Tarbender Hi Gloss Coating and Encapsulation</u></p> <p>Tarbender® is a UV resistant clear liquid epoxy that can be poured over a variety of surfaces to provide a strong, high gloss coating. Parts A and B mix together and flow easily. Tarbender® epoxy cures at room temperature and offers high impact resistance. Trial kit 1.29kg</p>	<p>40.00</p>


Prices are excluding VAT at the current

SILICONE RUBBER

<p><u>Mold Max 10/15T/20/27T/30/40/60</u></p> <p>Mold Max® Silicones are tin-cured silicone rubber compounds that have exceptional working properties and library life. Mold Max® silicones can be pigmented with SilC Pig® silicone colorants. Pot life for the pourable silicones is 45 minutes and they cure overnight at room temperature. Mold Max® Silicones will reproduce the finest detail and are suitable for a variety of industrial and art related applications including making moulds for reproducing prototypes, furniture, sculpture and architectural elements. Mold Max® 10, 20, 25 and 30 silicones can be thickened with THI-VEX® additive for brush-on applications. Max® 60 offers highest heat resistance for casting metal</p>	<p>Trial kit 0.9kg</p>	<p>US Gallon 4.99kg</p>
	<p>28.45</p>	<p>105.00</p>
<p><u>Oomoo 25 or 30</u></p> <p>OOMOO™ 25 & 30 are easy to use silicone rubber compounds that feature convenient one-to-one by volume mix ratios (no scale necessary). Both have very low viscosity for easy mixing and pouring, and vacuum degassing is not necessary. Both products cure at room temperature with negligible shrinkage. OOMOO silicones do not have great tear strength. They are good for making simple one- or two-piece block molds. If you require a high-tear strength silicone, Mold Max silicones are recommended.</p>	<p>Trial kit 1.27kg</p>	<p>US Gallon 9.39kg</p>
<p><u>Body Double</u></p> <p>'Apply to skin' mould making rubber – this product, available in standard or fast set is a long lasting silicone rubber that can be applied directly to the skin to make molds of face, hands and other body parts. Cures quickly and reproduces perfect detail. Non-toxic and odourless. Sells very well to the special effects, orthotics, prosthetics and sculpture trades.</p>	<p>25.00</p>	<p>162.00</p>
<p><u>Food Safe Silicones</u></p> <p>Some Smooth-On Platinum Silicones are certified safe for food contact. Smooth-Sil® 940, Sorta Clear® 40, Sorta Clear® 18 and the Equinox® Series are suitable for making baking molds and trays, ice trays, casting butter, chocolate and other applications used to produce foods. These materials have been tested by an independent laboratory to comply with the total extractive limits when properly processed and heat cured.</p>	<p>POA</p>	
<p><u>Dragon Skin</u></p> <p>Dragon Skin® silicones are high performance platinum cure liquid silicone compounds that are used for a variety of applications ranging from creating skin effects and other movie special effects to making production molds for casting a variety of materials. Because of the superior physical properties and flexibility of Dragon Skin® rubbers, they are also used for medical prosthetics and cushioning applications. Dragon Skin® rubbers are also used for a variety of industrial applications and have a service temperature range of a constant -70°F to +400°F (-21°C to + 205°C). Great for Making Molds for a Variety of Applications - Available in Shore 2A, 10A, 20A and 30A</p>	<p>Trial kit 0.9kg</p>	<p>US Gallon 7.26kg</p>
<p><u>Silicone Brush on starter kit</u></p> <p>1 Trial Unit Rebound®25, 1 Trial Unit Plasti-Paste®II, 1 Trial Unit Smooth-Cast®300, Sonite Wax®(0.75 oz), Thi-Vex®(1 oz), How to Booklet, Quick Start Instructions & Starter Kit Companion DVD.</p>	<p>30.00</p>	<p>215.00</p>
<p><u>Ultimate Wound Kit</u></p> <p>Includes everything you need to create realistic wounds directly on to skin. Step by step instructions will guide you through the process. Comes with: Skin Tite Silicone, ThiVex, SilCPig, Rubber Glass, Mixing Sticks & Cups and Step by step guide</p>	<p>70.00</p>	
	<p>34.00</p>	

Prices are excluding VAT at the current rate

Pigments			Alja Safe	
Available in various colours. Suitable for addition to various Smooth-On polyurethane rubber, plastics and foams.			Crystalline Silica-free alginate. Suitable for making temporary moulds of the face, hands and other body parts. It captures details better than other alginates, giving you more accurate reproduction of your original.	
SoStrong (for urethane rubber, plastics & foams)	Sample kit	Individual colours (
	Sample kit 24.00 (9 colours)	2 oz bottle 17.00		
SiIC Pig (for silicones)	Sample kit (9 colours)	Individual colours (4 ozs)	Trial kit (1.36kg)	30.00
	19.00	17.00	9.07kg box	170.00
Ignite	19.00	17.00		
Ignite fluorescent pigments, can be used with urethane rubber, plastics, foams or silicone rubber. Avail in various colours.				
			Alja-Safe® Molding Gel, Hydrocal® White Casting Plaster, Quick Start Instructions and Companion DVD. 29.00	

Polyurethane Foam					Informational products			
Foam It! 15 is a 2 part PU foam system that can be coloured etc., and is also available in flexible form, Foam It 15!V								
FoamIt	Rigid foam	Trial	Gallon	Intro to Life Casting DVD		4.50		
		30.00	125.00	Intro to Mold Making & Casting DVD		4.50		
FlexFoamIt III	Flexible foam	35.00	180.00	How to Make A Brush On Mold		4.50		
Release Agents					Concrete Casting 4 in 1 DVD			
UMR General purpose release	5 litre	1 litre	500ml	Aerosol			FOC	
	85.00	24.00	15.00	16.50				
One Step Sealer & Release in One	53.00	20.00	12.00	n/a				
In & Out		15.00	8.50	n/a				
EaseRelease200				22.00				
EaseRelease205 100ml bottle				12.00				
For Silicone to silicone release & other								
EaseRelease2831				25.00	Sundry Items			
Non-silicone based release					ThiVex (Thixotrope)		28g	3.65
							450g	17.75

Prices are excluding VAT at the current rate



The Jesmonite range of solvent free casting and laminating system allows the user to have many of the benefits of GRP for certain applications, without the hazardous disadvantages, and can be used for many applications where GRP or GRC would previously have been used.

Jesmonite is supplied as a 2 pack systems, which when mixed can produce a final product which can be demoulded in as little as 45 minutes. The main advantages of the Jesmonite system are high strength to weight ratio, excellent fire ratings, resistant to chemical attack / ultra violet degradation, available for casting or laminating, varied natural stone/metal effects available. Minimal degradation of rubber moulds. Solvent Free – water based and safe environmentally friendly waste.

AC100 General Purpose Composite

This composite is formulated to provide a high quality acrylic surface together with control of setting time (castings: 45 – 60 mins, laminates: 1 ½ - 2 hours) and dimensional stability (1% expansion on cure). AC100 can be used as a casting and laminating compound for cast products and lightweight panels and mouldings, (e.g. case mouldings), and as a coating composite for application onto a wide range of foam and rigid substrates.

	<u>Kit Wt</u>	<u>Powder – 2.5 parts by wt.</u>	<u>Liquid - 1 part by wt.</u>	<u>(€)</u>	<u>per kg</u>
P-75,L-30	105	75 kg	30 kg	341.25	3.25
P-25,L-10	35	25	10	131.25	3.75
P-7.5,L-3	10.5	7.5	3	43.68	4.16
P-2.5,L-1	3.5	2.5	1	22.00	6.29

AC730 Stone Finish – external use

(available in Portland Stone, Yellowsand stone, White marble, Silvergrey granite, Bath stone and Natural stone finish)

	<u>Kit Wt</u>	<u>Powder - 5 parts by wt.</u>	<u>Liquid - 1 part by wt.)</u>		
P-125,L-25	150	125	25	375.00	2.50
P-25,L-5	30	25	5	127.50	4.25
P-10,L-2	12	10	2	67.50	5.63
P-5,L-1	6	5	1	33.75	5.63

AC730 Metal Finishes (for use with Flex Liquids)

Available in Silver

Bronze, Brass,

Bronze and Copper

	<u>Kit Wt</u>	<u>Powder – 5.5 parts by wt</u>	<u>Liquid - 1 parts by wt.</u>		
	3.25	2.75	0.50	63.90	19.66

High Shear Mixing Blades

	Large	50.00	Small	11.5		
Pigments			<u>1kg</u>	<u>500gm</u>	<u>250gm</u>	
Black, Oxide Red and Yellow			16.80	10.50	6.00	
Coade, Terracotta			21.60	13.00	8.00	
Blue, Brt Red, Brt Yellow			28.30	17.50	11.00	
Green			30.00	19.50	12.00	
Additives						
Thixotropic Additive			16.00	10.50	6.00	
Jesmonite retarder			10.00	7.00	5.00	
Sealer		5kg:	75.00	2.5kg	45.00	1 kg 18.00
Reinforcing Fibre						
Quadraxial 160g/m ²		25 m ²	125.00	(5.00/m ²)		
		5m ²	30.00	6.00/m ²	1 m ² :	8.00
Chopped Strands		1kg	12.00	20kg	9.00 per kg	

Prices are excluding VAT at the current rate

EPOXY RESINS

Prices are excluding VAT at the current rate



<u>SP106 – Multi-purpose epoxy resin</u>		
Is a simple to use, all-purpose epoxy. It provides a quick and convenient way of using one epoxy system for a very wide range of tasks. For over 20 years established as the primary epoxy system for the manufacture and repair of wooden boats, it is now widely used in many other woodworking applications from cabinet making to the manufacture of large wooden yachts.		
1kg Kit	0.85 kg resin/0.15kg hardener	28.45
3.02kg Kit	2.56kg resin/0.46 kg hardener	65.00
11.8kg Kit	10 kg resin/1.8kg hardener	198.00
<u>SP 115 Surfboard Resin</u>		
Is an ultra-clear epoxy laminating system.		
	1 kg	49.30
	5kg	POA
<u>SP 320 High Performance Multipurpose</u>		
	1kg	40.43
	4kg	POA
<u>Mini pump kit</u>		
Used for decanting from 1 kg kits		
		12.70
<u>Maxi pump kit</u>		
Available in various sizes for the larger kits		
	3 kg	20.30
	11.8 kg	23.72
	23.6 kg	23.72
<u>Solvent A</u>		
Surface degreaser (fast epoxy solvent)		
	1 litre	11.80
<u>Solvent B</u>		
Tool cleaner (standard epoxy solvent)		
	1 litre	11.80
<u>EP502 epoxy resin with H7 catalyst</u>		
	1kg pack(0.85+0.15)	20.33
	3kg Pack (2.56+0.46)	52.84
	6kg Pack (5.12+0.92)	97.50
<u>Carbon Fabric</u>		
	Per metre	35.00
	10 metres	300.00
<u>Microfibres</u>		
Fine wood cellulose fibres used to make strong adhesives.		
	0.15kg	8.00
	0.5kg	15.00
	5kg	80.00
<u>Microballoons</u>		
Hollow, low density resin spheres which displace the resin and offer a lightweight, easy to sand glue.		
	0.1kg	13.00
	0.25kg	32.00
	0.5kg	50.00
	5kg	356.00
<u>Glass Bubbles</u>		
Hollow, white spheres which are physically hard and produce a very waterproof filler mix ideal for use below the waterline		
	0.15kg	15.00
	0.25kg	25.00
	0.5kg	34.00
	5kg	189.00
<u>Colloidal Silica</u>		
Fine powder which can be added to existing filler mixes to reduce 'sag' and improve handling characteristics		
	For pricing please see 'Cabosil' on page 8	

Quantities and kit weights for GRP

To calculate the quantities of glassfibre, resin, flowcoat, and catalyst, the following method should be used:

1. Calculate the total area in m² of glassfibre required for the repair, allowing for overlaps, extra layers etc. 1 m² = approx. 10 ft²
2. From the area required, the weight of fibreglass can be calculated, depending on the grade of material to be used:
CSM450 = 450g/m² i.e. 1 m² of fibreglass weighs 450gms
CSM600 = 600g/m² i.e. 1 m² of fibreglass weighs 600gms
3. The ratio of resin: fibreglass = 2.5: 1
i.e. 1kg of fibreglass requires approx. 2.5 kgs of resin.
4. Flowcoat will give a coverage of approx.0.5 - 0.75kg/m²
i.e. 1 kg of flowcoat will cover approx. 1.5m² to 2m²
5. Catalyst should be added at between 1.0 and 4.0% by weight depending on ambient conditions and cure time required. The standard addition rate is 2%. (= 20gm catalyst per kg of resin.)

This ratio applies to all polyester resins, gelcoats, flowcoats etc. unless otherwise specified. Too much or too little catalyst will inhibit cure, while gel time is adversely affected by high humidity and low temperature.

Below are some suggested kit sizes of suited resin/fibreglass quantities, with acetone for cleaning and brushes etc. for application. CSM450 (450gm/m²) is the standard grade of fibreglass for general repairs.



	<u>Kit A</u>	<u>Kit B</u>	<u>Kit C</u>	<u>Kit D</u>	<u>Kit E</u>
Coverage:	1m ²	2m ²	2m ²	4m ²	10m ²
No of layers:	1	1	2	2	2
Resin	1kg	2.5kg	5kg	2 x 5kg	25kg
Fibreglass	0.5kg	1kg	2kg	4kg	10kg
Flowcoat/Gelcoat	-	-	1kg	2.5kg	5kg
Catalyst	25g	50g	100 & 25 g	2 x 100 & 50g	500 & 100g
Acetone	100ml	250ml	500ml	1 litre	2.5 litre
2" brushes	1	1	1	1	2
3" brushes	-	-	1	2	3
3½" Paddle Roller	-	-	1	1	-
6" Paddle Roller	-	-	-	-	1
Latex gloves	3 pairs	5 pairs	-	-	-
Marigold gloves	-	-	3 pairs	4 pairs	6 pairs
6" Lambswool roller	-	-	-	-	1
6" Lambswool roller refill	-	-	-	-	2
Mixing cups	5	10	-	-	-
5kg mixing pail	-	-	2	3	5
PRICE (incl. VAT):	€25	€40	€75	€140	€310

GENERAL INSTRUCTIONS FOR WORKING WITH GLASSFIBRE

1. Work in dry, well-ventilated and warm conditions. Dampness and cold inhibit cure.
2. Protect yourself and your clothes. Wear gloves. Wear a fume mask if working in enclosed spaces. Protect your eyes from contact with resin, catalyst and acetone.
3. Thoroughly prepare surface to be worked on, removing all traces of oil, dirt, water etc. For repairs to existing GRP ensure a good key is obtained by aggressive sanding with coarse grit sandpaper.
4. Have everything ready before starting work:
Cut glass mat to size. Pour the required amount of resin into a container. Have a jar of acetone ready to clean the brushes and rollers after use.
5. Add hardener to the resin accurately and carefully – too much will prevent cure, too little will retard it. As a rule of thumb 20cc of hardener to 1 kilogram of resin should be used, giving a pot life of about 20 minutes at 20 deg C. In warm weather reduce this to no less than 10cc per kilo and in cold weather increase to no more than 30cc per kilo. Only catalyse as much resin as can be used within the pot life. Mix the hardener thoroughly into the resin before use.
6. Using a brush or mohair roller, apply the resin evenly over the surface to be fibreglassed. Lay down the glass mat and apply more resin, spreading out liberally and evenly over the mat. Using a paddle roller, or stippling with a brush, thoroughly “wet-out” the glassfibre, so that the glass is fully impregnated with resin and all air bubbles removed.
7. Wash out brushes and rollers thoroughly in acetone after use. To save for re-use follow this by washing in warm soapy water and allow to dry.

Further Notes

Gelcoat: is the hard glossy external finish on a GRP product. It is applied to a prepared mould and takes up the shape and surface texture of the mould. The surface exposed to the air dries with tackiness so that a good bond is achieved with subsequent laminates.

Flowcoat: is similar to gelcoat in consistency, but has a wax additive which prevents tackiness. It is used as a finishing coat on raw laminates and repairs etc. It can be bought pre-mixed or can be made by adding wax solution to a resin-gelcoat mixture. (Approximately 40cc per kilo) Non-slip flowcoat is also available.

Coverage for both materials ranges from 0.5 – 1kg per m², depending on consistency and surface detail. As both gelcoat and flowcoat are polyester resins, catalyst must be added as outlined in (5) to effect cure.

Air Bubbles: These are common problems in GRP products, forming between the gelcoat and the glassfibre laminate, particularly at sharp radii as the glassfibres are not able to bend through 90°. A preventative measure is to make up a resin paste by mixing chalk powder or cabosil into some catalysed resin and brushing this paste onto the gelcoat as a ‘wet fillet’ prior to preceding with the laminating as outlined above.

HEALTH AND SAFETY:

Please refer to the labels on the resin, catalyst and acetone containers and note the hazardous nature of the products and the safety precautions to be taken when using them. For further information refer to the relevant MSDS (Material Safety Data Sheets) - available on request.

**KEEP ALL MATERIALS OUT OF THE REACH OF
CHILDREN**

GLASSFIBRE and RESIN SUPPLIES Ltd. RoseHill, Ballinacurra, Midleton, Co. Cork