

PVC

Remeltable PVC Compound

This material is used in similar situations to silicone rubber providing a lower cost, but less durable option. Remeltable PVC can be poured over a master to form a flexible mould. Good tensile strength and flexibility will allow castings with deep undercuts to be removed from a one-piece mould, without damage. The material does not require a release agent and when the mould is worn, the product can be remelted [at 130 - 135°C] and used again – a fully recyclable product! We offer the product in two grades, Flexible [Beige] and Semi-Flexible [Blue]. Choose the Semi-Flexible for large moulds and the Flexible for more detail. The melting pot gives a thermostatically controlled temperature range of between 50°C and 200°C and will prevent scorching. Be aware that the product will not reach sufficient heat to melt in a water jacket double boiler. Jesmonite do not recommend using this in conjunction with their products, but instead to use a high grade silicone moulding compound.



code	description	Colour	weight	price
PR01011482	Flexible	Beige	1kg	£15.00
PR01011512	Semi-Flexible	Blue	1kg	£15.00
PR01011505	Flexible	Beige	25kg	£265.00
PR01011536	Semi-Flexible	Blue	25kg	£265.00
PRODPS25	Melting Pot		2.5L	£595.00

FLINTS SILICONE & CURING AGENT KITS

Flints Silicone & Curing Agent Kits

NEW

A general purpose, condensation cured silicone for mould making with great reproduction of fine details. It is extremely durable making moulds of all sorts to be used and reused again and again. For use with Jesmonite, resin (all kinds), plaster, wax, the list goes on and on. Perfect for making moulds where there are deep undercuts present. If you need to brush or slather on to vertical surfaces the addition of thixotrope will increase the viscosity so that the silicone doesn't run (Add 1-2% by weight of Thixotrope to total mix). Sold as kits with silicone and catalyst included or available separately if you require a variety of catalysts (Slow, Fast, Very Fast), please see below for cure times. The silicone itself is off white but it can also be tinted with silicone pigments. For casting body parts see new ZA22 - Skin Safe Silicone or Alginate.

Specification: Colour: Off white, Mix Ratio: 10 parts silicone to 1 part catalyst by weight, Medium hardness.

Fast Catalyst: Working Time/Pot Life: 30 - 45 mins, Curing Time (Max.): 6 hrs, After curing for 2 days, Hardness (Shore A): 23, Tensile Strength (MPa): 4.6, Elongation at break (%): 543.

Slow Catalyst: Working Time/Pot Life: 90 - 120 mins, Curing Time (Max.): 24 hrs, After curing for 2 days, Hardness (Shore A): 19, Tensile Strength (MPa): 4.6, Elongation at break (%): 622.

Very Fast Catalyst: Working Time/Pot Life: 8 - 10 mins, Curing Time (Max.): 2 hrs, After curing for 2 days, Hardness (Shore A): 25, Tensile Strength (MPa): 4.1, Elongation at break (%): 438.



Great for casting with deep undercuts like the underside of a Stage Weight.

code	Type	weight	price
PROSILIF1K	Fast Kit [silicone + curing agent]	1kg	£30.80
PROSILIF5K	Fast Kit [silicone + curing agent]	5kg	£107.17
PROSILIS1K	Slow Kit [silicone + curing agent]	1kg	£30.80
PROSILIS5K	Slow Kit [silicone + curing agent]	5kg	£107.17
PROSILIV1K	Very Fast Kit [silicone + curing agent]	1kg	£30.80
PROSILIV5K	Very Fast Kit [silicone + curing agent]	5kg	£107.17
PROSILICONE09	Silicone Only *No Curing Agent*	0.9kg	£26.35
PROSILICONE45	Silicone Only *No Curing Agent*	4.5kg	£90.55
PROFC100	Fast Curing Agent Only	100g	£4.45
PROFC500	Fast Curing Agent Only	500g	£16.62
PROSC100	Slow Curing Agent Only	100g	£4.45
PROSC500	Slow Curing Agent Only	500g	£16.62
PROSILITHIX01	Thixotrope	100g	£14.90
PROVFC100	Very Fast Curing Agent Only	100g	£4.45
PROVFC500	Very Fast Curing Agent Only	500g	£16.62

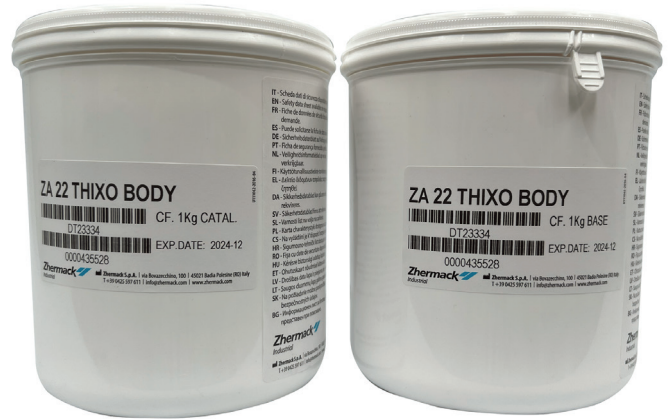
MOULDMAKING

ZA22 SKIN SAFE SILICONE

ZA22 Skin Safe Silicone

NEW

A skin safe addition cure silicone that can be applied directly to the face, hands or any body parts really. Although Alginate is also great at for life casting, moulds made from alginate can only be used very few times before it begins to degrade. You can use silicone again and again. ZA22 has the consistency of soft butter for application on vertical surfaces without dripping off so no need for the addition of thixotrope. Cast into moulds made from ZA22 with a variety of casting materials: polyester, epoxy, polyurethane resins, and plaster, concrete or Jesmonite. Mix ratio of 1:1 by weight (base:catalyst) and for ease of mixing the base is pink and catalyst white, simply mix until the colours are fully blended. Apply directly to skin with no barrier necessary but of course be careful around hairs, I used a little moisturiser on my very hairy hand in testing and was not left bald. SPECIFICATION: Colour when cured: Pink, Pot Life/Working Time: 6 mins, Cure Time: 15-20 mins, Hardness (Shore A): 22, Working viscosity (pre curing): >50000 cP



code	weight	price
PROZA222K	2kg	£72.50
PROZA226K	6kg	£172.35



Mix both parts until the colours are fully incorporated.

Spread on to body part using a tongue depressor.

Mould complete!

SILICONE

Pigments for Silicone

NEW

Concentrated pigments for addition & condensation cured silicone. Use for casting props or colour coding complex mould making. When brushing on silicone to create a mould you can pigment each layer a different colour to ensure you have even coverage on every layer. Colours are intermixable to create desired effect. Do not exceed 5% of pigment to total weight of silicone as this can effect curing.

code	Colour	weight	price
PROSILBK1	Black	100g	£17.50
PROSILBLU1	Blue	100g	£17.50
PROSILGR1	Green	100g	£17.50
PROSILRD1	Red	100g	£17.50
PROSILYW1	Yellow	100g	£17.50
PROSILDF1	Dark Flesh Tone	100g	£17.50
PROSILLF1	Light Flesh Tone	100g	£17.50
PROSILBK5	Black	500g	£42.25
PROSILBLU5	Blue	500g	£42.25
PROSILGR5	Green	500g	£42.25
PROSILRD5	Red	500g	£42.25
PROSILYW5	Yellow	500g	£42.25
PROSILDF5	Dark Flesh Tone	500g	£42.25
PROSILLF5	Light Flesh Tone	500g	£42.25



LATEX & CASTING EMULSIONS

Flints Slush Latex

A popular latex generally used for cast moulding where the latex is poured into a plaster mould. The latex is sensitised to give a speedy build up on the plaster. Thorough drying takes place over 24 hours. The latex should be detacked with talc before removing from the mould. See website www.flints.co.uk/downloads for full data sheets.



code	volume	price	4+
PAT848	5L	£99.61	£89.68

Flints Dipping Latex

Latex is a natural air drying liquid rubber used to make thin elastic self-releasing moulds. It is ideal for making small moulds without too much detail. It is the simplest of the mould materials as the object is simply dipped into the latex repeatedly until a thickness has built up. Allow to dry for 24 hours before removing using talc to de-tack. Great value.



code	description	volume	price
FHSDP05	Dipping Latex	5L	£41.14
FHSDP25	Dipping Latex	20L	£111.82
PAT844N	Latex Thickener	100g	£3.55

HATO®Vit K50

The HATO®Vit K50 is a filling emulsion for sculptures, relief, props, candelabras, and masks. It's a great material for prop making because it's unbreakable, keeps its shape, can be nailed, and glued. Perfect for making terracotta style pots and vases that won't smash! Fresh mouldings will show sharp contours and require no reworking. Ready to use straight from the pot; there is no loss of material in preparation, but will shrink 5 - 10%, so make mouldings correspondingly oversized. Can be used as a mould but only cast into it with plaster of paris. Easily over-coated with standard scenic acrylic paints when dry, or the materia can be tinted with HATO®Tex Paint [available to order], max 5% addition.



code	weight	price
PAT105001	1kg	£15.90
PAT105005	5kg	£82.80

Rubber Milk

A stabilised form of natural rubber; the resulting casts are highly flexible and naturally have a slightly yellowish milky colour. See also Liquid Latex page 121. Can be tinted by adding up to 5% of HATO®Tex Paint [available to order]. Only cast into plaster moulds that are thoroughly dry. Shrinkage: 5-10%. Rubber Milk is quite thin already and easy to pour but if it needs to be diluted, please use a 10% Ammonia Solution. Pour into the mould, and leave for about 15-20 minutes, until the desired wall thickness has been reached. Demould after 1/2-2 hours. Full cure after 3-12 hours depending on temperature. Higher temperatures can reduce the cure time, but temperatures should not exceed 45°C when in the mould, and 80°C once demoulded.



code	weight	price
PAT1062	1kg	£22.92

CLAY

Nylon Reinforced Air Drying Clay

Natural clay reinforced with nylon fibres to add strength and stability - No kiln needed! Simply sculpt your shapes and let it dry naturally. Dried clay can also be reconstituted by re-wetting. The clay is mined close to production site in Staffordshire & Shropshire.



code	Colour	weight	price
PROAHC001	Grey	1kg	£4.41
PROAHC045	Grey	4.5kg	£12.58
PROAHC125	Grey	12.5kg	£20.99

Standard Grey Clay

Standard grey clay good for all round, general purpose jobs such as modelling, throwing, casting and romance. Cures to a pale buff colour with smooth texture. Fires at 1120° to 1280°C. Supplied in 20 kg plastic wrapped blocks.



code	weight	price
PROSGC25	20kg	£13.98

PLASTER

Fine Casting Plaster Plus

This is a very fine plaster intended for casting. Plaster moulds are normally only used once and are referred to as waste moulds. The addition of a little PVA will strengthen the mould. The original is generally modelled in clay. It must be treated with a release agent before use. To seal moulds prior to using resin-based systems see G4 on page 16. Available in a 2.5 kg tub or a 25 kg sack.



code	weight	price
PRO4622	2.5kg	£12.04
PRO4621	25kg	£18.64

Prestia Classic Casting Plaster

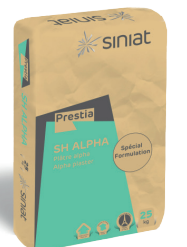
A very consistent casting plaster, widely used for ornamental plaster moulding both for reverse moulds and castings. Excellent for sculpting, giving very fine detail. Available in a 5 kg tub or a 25 kg sack.



code	weight	price
PROPCP5	5kg	£11.67
PROPCP25	25kg	£24.61

Prestia SH Alpha Blaster

A high quality hard casting plaster. With significantly less expansion than similar plasters, and a slower setting time, this plaster will set very hard. Popular for use with acrylic resins for casting. 25 kg bag.



code	weight	price
PROSHA25	25kg	£31.85

MOULDMAKING

Crystacal R Plaster

Very hard, brilliant white plaster very popular with artists & dentists alike.

Picks up detail extremely well and the plaster of choice for applications where surface hardness & durability are key.

Specification: Plaster to Water Mix Ratio (by weight): 100 : 35, Initial Setting Time: 15 mins, Expansion: 0.4%, Dry Compressive Strength: 55 Mpa, Wet Compressive Strength: 28 Mpa

code	weight	price
PROCRY25	25kg	£37.75



Plaster of Paris

Very fine plaster which is quick setting, easy to prepare and easy to sand. Ideal for plastering, bedding or moulding. Thickness up to 150 mm depth. Working time for moulding 10 - 15 minutes. Available in a 4 kg sack.

code	weight	price
PROPP4	4kg	£10.19



RELEASE AGENTS AND MOLD SEALS

Smooth-On Universal Mold Release

Universal Mold Release Agent is formulated especially for mould-making and casting and works well with most liquid rubber and liquid plastic products. Will release mould rubbers such as polyurethanes and poly-sulfides as well as sealing wood, plaster, concrete and water or sulphur based clays. Easy to use spray can - shake well, and spray from a distance of 12".

code	description	weight	price
PRO70010	Spray Can	340g	£15.69



Soft Wax Mixture Paste

Ideal for sealing the pores on a mould. Used to release hard polyurethane foams and casting materials from GRP, wood and silicone. Covers 50 g per m². Dries clear after use.

code	weight	price
JESRW	500g	£24.05



Silicone Spray Release Agent - Formula 6

Multi-purpose medium duty release agent. Ideal for all thermoplastics and many kinds of rubber. Can be used with Jesmonite.

code	volume	price
PROF6	400ml	£15.84



Smooth-On SuperSeal

A fast drying, economical sealing agent for porous surfaces such as wood, concrete or gypsum plasters. Effectively seals surfaces without compromising the detail. SuperSeal can easily be removed by rinsing with warm water.

code	weight	price
PRO84540A	360kg	£23.51



PLASTER CONTROL AGENTS

Plaster Control Agents

Increase or decrease plaster setting times. You might want to increase working time if spreading plaster over a large area or decrease setting time if you want to clock off a little early.

For the accelerator, use sparingly, as a guide, mix 5g per litre of water to be mixed with plaster. This will approximately halve the setting time.

For the retarder, dissolve 100g in 1 litre of hot water and allow to cool, add 5 ml of this mixture per litre of water to be mixed with plaster. This will approximately double the setting time.

For both of these control agents the setting times will vary a lot depending on the plaster so it's important to test before adding to final mixes.

code	weight	price
PROPA1	1kg	£10.08
PROPRI	1kg	£10.65



SUPPORTS

Mod Roc and Plaster Bandages

An impregnated bandage which is activated by immersion in water. Used largely for life casts. The bandaging sets within 5 minutes and is hard in 30 minutes. Available as bandage or cut in pieces known as Mod Roc. Also see Varaform [page 112].

code	description	length/weight	width	price
PRO4650	4 rolls	3m	50mm	£5.10
PRO4675	2 rolls	3m	80mm	£3.21
PRO460	Cut pieces	6.5kg		£45.16
PROMR275	1 roll	170g		£2.63

