

Product Type	Condensation Cure Silicone
Base	SR 2-1 Base
Catalyst	Standard / Fast / Slow
Colour	Blue / Green / Red

Applications

- Flexible Parts
- Casting Moulds for Plastic
- Casting Moulds for Gypsum
- Casting Moulds for Wax
- Art Casting
- Flexible Gaskets

Properties

- Excellent Flow Properties
- Replicates Fine Detail
- Flexible

Processing Data

Product		Silicone SR 2-1 Base	Silicone SR 2-1 Standard Catalyst	Silicone SR 2-1 Fast Catalyst	Silicone SR 2-1 Slow Catalyst
Colour		White	Blue	Green	Red
Mixing Ratio P.B.W		100	10	10	10
Density at 25°C	g / cm ³		1.22	1.22	1.22
Pot Life 23°C	Min.		> 45	> 10	90 - 120
Curing Time 23°C	Hrs.		> 24	> 4	> 24
Shrinkage	%		0.46	0.46	0.46

Physical Data

Properties	Test Method	Unit	Standard Catalyst	Fast Catalyst	Slow Catalyst
Elongation at Break	ISO 37	%	401	401	401
Tensile Strength	ISO 37	MPa	4.0	4.0	4.0
Tear Resistance		N/mm	30	30	30
Shore Hardness	DIN 53505	Shore A	25	25	25

After cure for 7 days at 23°C

All values are typical and not a specification

Sales Units (Packages)

Units	Base	SR 2-1 Base	20.0 kg / 200 kg
	Catalyst	Standard Catalyst	2.0 kg / 20.0 kg
		Fast Catalyst	2.0 kg / 20.0 kg
		Slow Catalyst	2.0 kg / 20.0 kg

Processing Instructions

Apply release agent to the master model once you have removed any loose paint or dirt. Use a single brush coat on the bare plaster - wet or dry. Allow the release agent to dry for about 20 minutes before pouring the Silicone SR 2-1. If the model is made of wood, clay or is painted, use a wax spray as a release agent.

Mixing Silicone SR 2-1 is easy. The mix ratio when using any of the catalysts is 100 parts of base to 10 parts catalyst, by weight. Simply pour the selected catalyst on top of the white base and start by folding the two components together gently; as they become inter-mixed you can mix with more vigour until a uniform colour is attained. Pay particular attention to the sides and base of the container. When you think it is mixed, pour the entire contents into another clean container and re - mix, this is the only way you can be sure the material is thoroughly mixed.

You can now pour the Silicone SR 2-1 over the model in a long steady stream, which helps burst any air bubbles introduced while mixing.

In General

Silicone SR 2-1 is a silicone moulding compound developed for plaster casting, resin casting and the model making industries. Moulds made from Silicone SR 2-1 will give a high quality reproduction with virtually no shrinkage and no risk of the plaster ever gripping to the mould surface.

It has been designed to be easy to mix by hand with colour-coded components to offer a visual aid to ensure mixing is complete. The two components mix easily and because of its low viscosity Silicone SR 2-1 can be used without the use of a vacuum chamber.

Storing

Storage at room temperature 18-40°C.

Opened containers should be closed immediately after use and should be used up as soon as possible.

Shelf life is indicated on the labels and is 12 months from date of manufacture.

Safety Measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material. Please follow safety advice.

Waste Disposal

According to arrangement with local authorities cured material can be disposed as domestic or commercial waste. Non-cured products are waste which is subject to

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inspection and has to be disposed accordingly. In case of further questions please do not hesitate to contact our Department for Product Safety.

The instructions and recommendations are given in good faith and are based on long experience and careful tests. Since the conditions of use are beyond our control, and due to versatility of applications and working methods, we can't give any guarantee. All information are non-binding and are no guarantee for special characteristics or properties of the product. Despite information given from **ebalta** the customer has to make his own tests regarding applications and processing. If any special warranty is requested, written agreement on this subject is essential.

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