

RTV 530

FEATURES

- Acids and alkali resistant
- Release properties
- Long working time
- Low shrinkage

COMPOSITION

- RTV 530 A silicone rubber
- RTV 530 B catalyst



RTV-2 silicone rubber room temperature curing by condensation reaction, 30 Shore A hardness. Medium viscosity, very good tensile and tear resistance, low dimensional shrinkage.

APPLICATIONS

- Production of flexible molds for reproductions of concrete products, artificial stone, plaster decorations, resin objects.

TYPICAL PROPERTIES

This data does not constitute the Product Sales Specifications. The values indicated refer to typical properties and are not to be understood as extreme minimum or maximum values. They do not constitute a guarantee of product conformity and do not relieve the buyer from the need to test the suitability of the products before use or placing them in his production cycle. Please contact your local sales representative to obtain the product specifications.

Property	Unit	Value
Color (Part A/Part B)	Visual	White / Colorless
Density at 23°C (Part A/Part B)	g/cm ³	1.18 / 0.96
Mixing ratio A : B	pbw	100 : 5
Viscosity of the mixture at 23°C	mPa.s	23000 - 25000
Pot Life [150g at 25°C]	minutes	30 – 40
Curing at 25°C	hours	4 - 6
Linear shrinkage [500x50x10mm]	%	≤ 0.3
Hardness	Shore A	30
Tensile strength	MPa	4.5
Tear strength	kN/m	30
Elongation at break	%	500

SETTING

Make sure the main model or mold is clean, free of dust and dirt. Although not necessary, a release agent will make it easier to demould from the model or mold. In this case, let the release agent dry for at least 30 minutes. In the presence of porous substrates, it is recommended to use a suitable release agent such as soap and water solutions, petroleum jelly or petroleum jelly.

MIXING AND CASTING

Weigh 100 parts of rubber (Part A) and 5 parts of Hardener (Part B) in a clean container. Thoroughly mix Part A before use, as the product may separate after prolonged storage. Mixing part A and

part B until a homogeneous mixture is obtained. It is possible to mix manually or mechanically, avoiding prolonged mixing times or temperatures above 35°C. Mix suitably small amounts to ensure complete mixing of base and curing agent. It is recommended to remove trapped air in a vacuum chamber, allowing the mix to fully expand and then collapse. After a further 1-2 minutes under vacuum, inspect the mixture and, if free from bubbles, proceed to pouring. During the degassing phase the product increases 3-5 times in volume. Use sufficiently large containers. Pour the mixed silicone rubber into the formwork as soon as possible, avoiding the incorporation of air bubbles. The cast material will generate a flexible rubber within 6 hours, although we recommend

waiting 24 hours for demoulding, in order to obtain a longer lasting mold.

HANDLING PRECAUTIONS

The information for a correct and safe handling of the products is contained in the safety data sheet. Consult the safety data sheets before use for complete information on the risks to health and the environment and for the suitable protective devices to be adopted. Share the safety data sheets with all staff involved in the use of the products.

USABLE LIFE - STORAGE

Store in original unopened containers at a temperature below +30 C. Be sure to close containers tightly after use. High temperatures reduce the useful life of the material. These products have a limited shelf life and should be used as soon as possible. This material, when stored under the specified conditions, has a shelf life of 12 months from the date of manufacture. After this time, mix part A for a few minutes and check for castability; if it keeps its original appearance it can be used without any influence on the final performance.

PACKAGING

RTV530A is supplied in 25kg packs, RTV530B in 1kg packs. For other packaging please contact our sales department.

LIMITATIONS

This product is neither tested nor represented as suitable for food contact, skin contact or medical uses.

LIMITED WARRANTY

The information contained in this document is offered in good faith based on Chemix research and is believed to be accurate. However, as the conditions and methods of use of our products are beyond our control, this information should not be used as a substitute for the tests that customers must first perform to ensure that Chemix products are fully satisfactory for their specific applications. The warranty is only applicable to the values indicated in the Product Sales Specifications. The sole and exclusive compensation for products with values that are out of specification is limited to the replacement of the product or the refund of the purchase price.

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