



Technical Data Sheet

SILIMAX 100%

Description

Silimax 100% silicone sealant is a non-slump, paste like, one component RTV, designed for a wide variety of industrial sealing and adhesives applications. It cures at room temperature by reaction with moisture in the air to produce a durable, flexible silicone rubber.

Key Features

- Fast curing
- Easy to apply
- Resistant to sunlight, rain, sleet, snow, ozone and temperature extremes
- Excellent adhesion to most non porous surfaces without primer
- Excellent UV resistance
- Retains design properties even after years of exposure – seals remain watertight and weatherproof.
- Meets FDA Reg 21 CFR177.2600 and NSF Standard 51

Uses

- Space-filling rubber adhesive
- Formed-in-place gaskets
- For kitchens and bathrooms
- To seal assemblies of glass, glazed surfaces, porcelain coated metal, epoxy and polyester panels, polystyrene, uPVC, stainless steel, anodized aluminum and finished wood
- Various O.E.M./Industrial Applications

Substrates Preparation

The substrates to be assembled must be clean, dry, dust free and not have any traces of grease or other contaminants that could adversely affect the bonding performance.

If the substrates need to be cleaned, methyl ethyl ketone (MEK) type solvents may be used or isopropyl alcohol.

Check the compatibility of the solvent with the substrates.

Note: When using solvents, keep away from all sources of ignition and carefully follow the safety and the handling instructions given by the manufacturer or supplier of this type of product.

Directions

1. Clip off tip spout @ a 45 degree angle to desired size.
2. Load cartridge into caulking gun & apply using steady, even pressure to completely bridge joints.
3. Smooth sealant using wet finger or a damp cloth for a neat appearance.
4. Wipe away excess with a damp cloth before surface skin over.

Clean Up

Tools be cleaned with MEK before curing. After cure, mechanical cleaning is required

For Best Results

- Apply at a temperature between +5°C and +40°C (41°F and 104°F).
- Store sealant in temperatures between +5°C and +25°C (41°F and 77°F).
- For a neat , straight bead edge, mask both sides of joint with tape, removing masking tape before skin formation
- Do not “overtool” the applied sealant, leaving too little sealant to perform following cure

Colors

Clear, white, aluminum

Packaging

10.1 fl. oz. (300 ml) HDPE cartridges

Limitations

- Apply only to clean, dry substrates
- Cooler weather will slow down cure time
- Storage at +5°C (41°F) and +25°C (77°F) and 50% R.H. higher temperatures and humidity will be decrease shelf life
- Not paintable
- Not recommended for application on concrete, marble, lead, copper, galvanized steel and not for PE, PP, Teflon and bituminous surfaces.



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<u>Physical/Performance Property</u>	<u>Typical Result</u>
Basis	Acetoxy
Application Temperature	+5 / + 40 °C (41 to 104 °F)
Application Rate	250 - 500 g/min
Slump (ISO 7390)	0 mm
Density	1.02 – 1.06 g/ml
Skin Over Time	10 - 20 min
Tooling time	5 – 10 min
Frost resistant till -15°C(5°F)	yes (during transport)
Shelf life	12 month between +5°C (41°F) and 25°C (77°F)
Joint movement capability	+/- 25 %
Temperature resistance	-60 to + 177 °C (-76 to 350 °F) with intermittent temperatures up to 200°C (392°C)(after curing)
Shore A Hardness (ASTM D2240)	26 (3 s)
Tear Strenght (ASTM D 624)	3.9 kN/m (22 ppi)
Ultimate Tensile Strength (ASTM D 412)	2.1 MPa (310 psi)
Peel Strenght (ASTM C 794)	3.9 kN/m (22 ppi)

CAUTION: HARMFUL. NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS.KEEP FROM FREEZING. (See MSDS for additional information)

NOTE

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the data of issue of this document and the date the product is acquired.

Before using the product , the user should carry out any necessary tests and trials in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use in they think that the information in their possession needs to be clarified in any way , whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.