



Technical Data Sheet

SILIMAX HT II

Description

Silimax HT II is a one part, non slumping paste that cures to a rubbery solid at room temperature on exposure to water vapor in the air. This silicone product is formulated to perform at temperatures ranging from -65 to 260°C (-85 to 500°F) for continuous operation and to 315°C (600°F) for intermittent exposure. It can be used for numerous sealing and bonding applications.

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.
- May be used in applications with continuous exposure to 260°C (500°F) and intermittent exposure to 315°C (600°F)

Uses

- Sealing and encapsulating heating elements in appliances
- Aerospace gasketing
- Moving oven belts
- Industrial ovens
- Bag filters on smoke stacks
- Other critical bonding, sealing, potting, encapsulating and protective coatings where parts must perform at high temperatures

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

Red

Packaging

10.1 fl. oz. (300 ml) HDPE cartridges

Limitations

- Apply only to clean, dry substrates
- Is not recommended for continuous underwater immersion where adhesion or structural bonding is required.
- Not recommended in totally confined areas.
- Not paintable
- Not recommended for application on concrete, marble, brick, mortar or other masonry surfaces.



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- Not recommended on or near sensitive metals such as copper, brass, zinc, carbon steel, galvanized iron or magnesium and not for PE, PP, MMA (Plexiglas), Teflon and bituminous surfaces.

Technical datas:

<u>Physical/Performance Property</u>	<u>Typical Result</u>
Basis	Acetox
Extrusion Rate (1/8" Ø, 090 psi)	390 g/min
Slump (ISO 7390)	0 mm
Density	1.04 g/ml
Tack free Time	17 min
Tooling time	10 min
Curing Time (3mm [1/8"] thickness)	24 hrs
Shelf life	24 months below 32°C (90°F)
Temperature resistance	-65 to + 260 °C (-85 to 500 °F) with intermittent temperatures up to 315°C (600°F)(after curing)
Shore A Hardness (ASTM D2240)	26 (3 s)
Tensile Strength (ASTM D 412)	350 psi
Elongation	600 %

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 date 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.