



SILICONE ALTE TEMPERATURE

HEAT RESISTANT SILICONE SEALANT.



PRODUCT DESCRIPTION

Heat resistant silicone sealant for joining and sealing joints that are exposed to high temperatures. Heat resistance: max. 300°C.

FIELD OF APPLICATION

Suitable for joining and sealing joints, seams and cracks in places where high heat resistance is required. Adheres very well to glass, enamel, tiles, glazed ceramics and smooth metals. Ideally suited for bonding and sealing oven and microwave windows, edges around (ceramic) stoves, heat exhaust ducts, flues, heat screens in front of the fireplace. Also suitable as a liquid gasket in automotive applications. Not suitable for glazing applications and also not suitable for aquariums. Not suitable for polyethylene (PE), polypropylene (PP), PTFE and bitumen.

PROPERTIES

- Heat resistant upon complete curing up to 250°C and briefly (approximately 1 hour) up to a maximum of 300°C
- Easy to apply
- Water resistant
- Permanently elastic
- UV and all-weather resistant
- Excellent bonding on nearly all surfaces
- Chemical resistant
- Colourfast

PREPARATION

Working conditions: Only apply at temperatures between +5°C and +40°C.

Surface requirements: The surface must be dry, clean and free of dust, rust and grease.

Preliminary surface treatment: For a good result, cover the joint's edges with masking tape. If necessary, prevent three-sided bonding by filling the joint with a foam backer rod or PE film.

APPLICATION

Directions for use:

Ensure a minimum joint width of 6 mm and a maximum of 20 mm. The joint depth depends on the joint width. Keep a joint depth of 6 mm up to a joint width of 12 mm. Beyond that, the joint depth should be half the joint width. Inject the sealant evenly into the joint and tool within 10 minutes with a putty knife or finger, moistened with a soap solution. Remove the applied masking tape immediately after tooling.

Stains/residue: Immediately remove stains with white spirit. Cured sealant can only be removed mechanically.

Advice: Use Bostik Silicone Vetro Metallo for sealing in glazing and aquariums.

Use Bostik Poly Max® for a paintable, water resistant and permanently elastic seal.

Points of attention: Silicone hardens under the influence of humidity. Contact with humidity is therefore absolutely necessary during curing.

Sealant may expand when it comes into contact with grease, oil, coolant and fuels.

Ensure the joint remains dry for at least the first 8 hours.

CURE TIMES*

Skinover time: approx. 10 minutes

Cure rate: approx. 2 mm/24 hrs

* Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.

TECHNICAL PROPERTIES

Moisture resistance: Very good

Water resistance: Very good

Temperature resistance: -50°C - +180°C

UV resistance: Very good

Mildew resistance: Nil

Chemicals resistance: Very good

Paintability: Nil

Elasticity: Very good

Filling capacity: Very good

TECHNICAL SPECIFICATIONS

Chemical base: Silicone elastomer

Viscosity: approx. Pasty

Density: approx. 1.04 g/cm³

Shrinkage: approx. 0 %

Hardness (Shore A): approx. 25

100% modulus: approx. 0.3 MPa

Max. allowed distortion: approx. 20 %



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Elongation of rupture: approx. 650 %

STORAGE CONDITIONS

At least 24 months after date of manufacture. Limited shelf life after opening.
Store in properly sealed packaging in a dry place at between +5°C and +25°C.