



SILICONE HIGH TEMP

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. Particularly suited for joining and sealing oven and microwave windows, edges around (ceramic) hot plates, heating ducts, flues, heat screens for the fireplace (also suitable in its fluid form for automotive applications). Not suitable for applications where the product comes into direct contact with petrol, diesel fuel and jet fuel.

PROPERTIES

- Heat resistant upon complete curing up to 260°C and briefly (approximately 1 hour) up to a maximum of 300°C
- Easy to apply
- Not paintable
- Sealant may expand when it comes into contact with grease, oil, coolant and fuels.

PREPARATION

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

Surface requirements: Ensure that joints are clean, dry and free of dust, rust and grease. Absorbent substrates and synthetics should be pre-treated with Bison Silicone Primer.

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.

Tools: Apply cartridge with a Power Pistol. Multi Tool to open the cartridge and tooling the sealant.

APPLICATION

Coverage: Content suitable for approx. 8 to 15 m (depending on the diameter of the joint).

Directions for use:

Use sealant gun to handle cartridge. Open the cartridge by cutting off the plastic nipple on the top side at the screw thread with a sharp knife. Screw on the nozzle and chamfer at the desired width. 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.

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

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: -60°C - +260°C

UV resistance: Very good

Chemicals resistance: Very good

Paintability: Nil

Elasticity: Very good

Filling capacity: Very good

TECHNICAL SPECIFICATIONS

Chemical base: Silicone elastomer

Colour: Red

Viscosity: approx. Pasty

Density: approx. 1.03 g/cm³

Flash point: K3 (>55°C)

Hardness (Shore A): approx. 25

100% modulus: approx. 0.52 MPa

Elongation of rupture: approx. 475 %

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.