



# 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 foambacker rod or PE film.

### Application

**Coverage:** 1 cartridge for approx. 1.5 m (depending on the diameter of the joint).

### Directions for use:

Screw the cap from the tube and pierce the tube membrane with the point at the top of the cap in a twisting movement. Screw synthetic nozzle onto the tube and then cut diagonally. Inject sealant evenly and slowly into the joint. Immediately smooth with a finger and soapy water. For bonding, join the parts within 5 minutes. After approx. 5 minutes, a surface skin will form. Bison High Temp reaches its high heat resistance after fully curing. The curing can be accelerated by heating the sealant to a maximum of 150°C.

**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/cm<sup>3</sup>

**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.