SILICONE SEALANT 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 bitumen, polyethylene (PE), polypropylene (PP), PTFE and aquaria.

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
· Sealant colour: black
· Acetic acid leaving sealant
· Colourfast
· 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: BISON Multi Tool

APPLICATION

Coverage: 1 tube for approx. 1.5 m (depending on the diameter of the joint).
Directions for use:
Turn the cap off the tube Cut the synthetic cannula diagonally. Inject sealant evenly and slowly into the joint. Immediately smooth with BISON Multi Tool or a finger and soapy water. For bonding, join the parts within 5 minutes. After approx. 15 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.

Our advice is based on extensive research and practical experience. However, in view of the large variety of materials and the conditions under which our products are applied, we assume no responsibility for the results obtained and/or any damage caused by the use of the product. Nevertheless, our Service Department is always at your disposal for any advice needed.

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TECHNICAL SPECIFICATIONS

100% modulus:	0.52 MPa
Chemical base:	Silicone elastomer
Chemicals resistance:	Very good
Colour:	Red
Cure rate:	2 mm/24h
Density approx.:	1.03 g/cm³
Elasticity:	Very good
Elongation of rupture:	475 %
Filling capacity:	Very good
Flash point:	K3 (>55°C)
Hardness (Shore A):	25
Minimum temperature resistance:	-60 °C
Maximum temperature resistance:	260 °C
Moisture resistance:	Very good
Paintability:	Nil
Skinover time:	10 minutes
UV resistance:	Very good
Viscosity:	Pasty
Water resistance:	Very good

STORAGE CONDITIONS

Store in properly sealed packaging in a dry place at between +5°C and +25°C.

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