HIGH TEMP SEALANT

High Temperature Silicone

High Temp Sealant is an elastic, neutrally curing, silicone-based bonding and sealing agent.

High Temp Sealant is particularly well suited for applications that are exposed to high temperatures due to the newly developed matrix.

High Temp Sealant reacts with air moisture and vulcanised to a permanently elastic sealant. There is no danger of corrosion.

FEATURES:

- Is almost odourless, is non-corrosive and safe to use.
- Is suitable for outdoor and indoor applications.
- Is resistant to temperatures up to 350 ° C and has a wide range of applications.
- Is chemically neutral and therefore also suitable for alkaline surfaces such as concrete, plaster, clay, as well as for corrosive metals such as steel and zinc.
- Has good adhesion to a wide variety of materials such as glass, glazed ceramic, concrete, stone, artificial stone, zinc, aluminium, steel, non-ferrous metals, wood, plastics and rigid PVC.
- Is not suitable for PE, PP, Teflon, oil and bituminous surfaces.

APPLICATION EXAMPLES:

- Sealing street lights, headlights, lamp housing, spur gear covers, gearboxes and axle housings.
- Grouting fireplace mantles, dryers and ovens.
- Glazing in the plumbing industry, heating and ventilation pipes, cold rooms etc.

TECHNICAL DATA:

Basis:	Modified Polydimethylsiloxane	
Consistency:	thixoptropic paste	
Appearance:	black	
Density:	1.25g/m	
Skin Form:	5 - 10 min	(23°C / 55% rel. humidity)
Sacking: (U-Profil von L 150x B 21 x H 15 mm)	does not sack	
Cure after 24 Std.:	2-3 mm	(23°C / 55% rel. humidity)
Temperature Resistance:	-40°C to +300°C	(after complete cure)
Temperature Resistance (intermittent):	to +350°C	

Mechanical Properties:

Shore Strength A: (3s)	30 / 350%	ISO 868
Maximum Shrinkage:	2-3%	
Dynamic Gasket Seating:	25%	

Chemical Resistance:

Antifreeze: (glycol, glycerine)	very good
Oil: (motor oil, gearbox oil)	generally good
Methanol:	not long-term
Salt water:	very good

HIGH TEMP GASKET

High Temperature Sealant

Instructions for use:
The surface must be clean, dry and free from contaminants such as oil, rust or grease. Highly absorbent and porous surfaces must be prepared with a moderately temperature adjusted primer. The sealed joints should be at least 4mm wide and 4mm deep. The maximum joint width shall not exceed 30mm and the maximum joint depth 10mm. The depth of joints exceeding 10mm should not exceed half of the width of the joint. A heat-resistant backfill material (such as ceramic band) should be pressed into the joints prior to sealing. It is advisable to cover the joint edges with masking tape in order to ensure a clean and straight seal. The sealant must be applied so that enough pressure is applied to the joint flanks. It is particularly important to ensure that no air bubbles are in the grout. The applied sealant should be immediately flattened with a spatula. Masking tapes should be immediately removed after application. For bonding, a vertical, caterpillar-shaped application is recommended to ensure enough supply of humidity during the networking.

Restoration option: With the same material.

Cleaning:
Alcohol has proved worthwhile for the cleaning and degreasing of most non-absorbent surfaces. Hardened sealant can only be removed mechanically. Wash hands with soap and water.

Priming:
With non-absorbent surfaces such as glass no primer is required in most cases. Highly absorbent and porous surfaces should be treated accordingly using a temperature-resistant primer if required (please consult us).

Working Temperature:
Ideal + 5°C to + 40°C.

Storage:
High Temp Sealant should be stored unopened in the original packaging in a cool and dry place. Recommended storage temperature +10°C to +25°C. The shelf life is at least 12 months (in compliance with the above mentioned storage conditions).

Health and safety: The product contains 2-Butanonoxim. May cause allergic reactions. Special hazards for people and the environment: no risk classification in accordance with the 28 adjustment policy of the substances directive 67/548/EEC. For more security issues is a safety data sheet is available.