

# TECHNICAL DATASHEET

## 36-4813

### SILIKON, HÖGTEMPERATUR

#### DESCRIPTION

**SILIKON högtemperatur**, is an acetoxycure, high performing silicone sealant.

Resistant to ageing and low and high temperatures (-50°C - +250°C). The flexibility is maintained even at short-term exposure to up to +300°C.

#### APPLICATIONS

**Silikon HTR** is specially designed for joints, which are in contact with high temperatures, such as ovens, hot plates, motors.

**Silikon HTR** has an excellent adhesion on the majority of materials used in the building industries, glass, faience, ceramics, ...

#### JOINT DIMENSIONS

Joint width	Joint depth	Allowed difference
3-4 mm	4-5 mm	± 1 mm
6 mm	6 mm	± 1 mm
8 mm	6 mm	± 1 mm
10 mm	6-8 mm	± 2 mm
15 mm	10 mm	± 2 mm
20 mm	10-12 mm	± 2 mm
25 mm	15 mm	± 3 mm

#### PROCESSING TEMPERATURE

Between +5°C and +40°C.

#### PREPARATION

All surfaces should be dry, clean and free from dust or grease. When necessary, degrease with Top **Cleaner**, MEK, alcohol or ethanol. If necessary, use primer. It is recommended that adhesion tests be carried out to determine the suitability of the product for its application.

#### CLEANING

**Before vulcanisation:**

- a) tools : with white spirit or solvent
- b) surfaces : with **cleaner**

**After vulcanisation:**

Remove as much as possible mechanically; the remainders of the silicone with **Silicone Remover**.

<b>REPAIRING</b>
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With the same product.

<b>COLOURS</b>
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red

<b>SHELF LIFE</b>
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Min. 12 months if kept in the original packed and stored in cool and dry conditions.

<b>METHOD OF USE</b>
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With a gun (manual or pneumatic). The shape of the joint is important. Avoid thin layers.

<b>SAFETY</b>
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The application should take place in well-ventilated rooms, so that cross linker vapours can escape. During vulcanization, a total of 4% acetic acid is released . These cross linker vapours may not be inhaled during long periods of time or in high concentrations. Avoid prolonged contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid contact with food as long as the sealant is uncured.

Consult our safety data sheet.

<b>PROPERTIES</b>
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Unvulcanised rubber	
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Type of sealant	Polysiloxanes
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Vulcanising system	vulcanising through moisture in the air
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Skin forming time (23°C en 50% R.H.)	15 min
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Vulcanisation rate (23°C en 50% R.H.)	3.0-3.5 mm / 24 hrs
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Density (ISO 1183) 1,21 g/ml

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Vulcanised rubber

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Shore A hardness (ISO 868) 35

Elastic recovery (ISO 7389) > 90 %

Deformation capability 25 %

Modulus at 100% elongation (ISO 8340) 0.80 N/mm<sup>2</sup>

% elongation at break (ISO 8339) 130 %

Temperature resistance -50°C / + 250°C( short term to 300°C)

