Technical Data Sheet

Version 01/2023

Silikon HT

Product Description

Elastic, acid-crosslinking, solvent-free, one-component silicone sealant. Reacts with moisture. Acetate system.

Product Properties

- high temperature resistance up to 280 °C
- elastic
- permanently elastic
- stable
- waterproof
- ready-to-use
- good chemical resistance
- weather resistant
- resistant to aging
- UV resistant
- color stability
- suitable for indoor and outdoor use
- solvent-free
- phthalate-free
- halogen-free

Areas of Application

expansion joints, outdoors, weather-stressed joints, fan housings, heat cabinets, cast iron boilers, fireplaces and tiled stoves, heat-stressed expansion joints, corrosion-resistant engine parts, repair and reconditioning works

Form of Delivery

Cartridge	300 ml
Packing unit	20 pieces per box

INSEBO®
SOLUTIONS THAT MATTER

WS INSEBO GmbH
Industriestraße 24
A-2325 Himberg bei Wien
Tel.: +43/(0)2235/86227-0
E-Mail: office@insebo.com
Internet: www.insebo.com

Substrates

Suitable substrates:
aluminum, corrosion-protected metals, ceramics, tiles, enamel, glass, many plastics, hard PVC

Conditionally suitable substrates:
mineral substrates only with primer

Unsuitable substrates:
tar, bitumen-containing substrates, EPDM, PIB, PTFE, PP, PE, gypsum, mirror backside, zinc sheet, iron, steel, copper, brass, lead, acrylic glass

Instructions for Use

The adhesive surfaces must be clean, dry, free from release agents and firm. Dust, grease, oil and loose parts must be removed before processing. Generally non-absorbent, closed-pore substrates should be pretreated with GRUNDIERUNG GP and absorbent, open-pore substrates with GRUNDIERUNG OP in order to achieve a best possible adhesion. Allow the primer to evaporate well. Be careful when using a primer as it may stain the substrate. In any case, a test should be made beforehand.

We advise to carry out a suitability test for the large number of substrates, building materials and/or coatings used today, especially for plastics, paintings and powder coatings. The use of a PE round cord as a joint backfill material is recommended to avoid three-point-adhesion. Before beginning, the joint edges should be taped with suitable adhesive tape.

Cut off the cartridge nipple with a sharp knife. Screw the nozzle onto the cartridge and cut it to the desired width. Insert the cartridge into the ejector gun and eject the sealing compound evenly and without any cavities. Spray the sealant with INSEBO smoothing agent before skin formation and smooth it with a joint spatula. Then remove the adhesive tape and any sealant residues before curing.

When handling large quantities in enclosed spaces, fresh air must be provided during the curing time. The sealant is odorless after curing.

Store cartridges cool and dry. Higher temperatures shorten shelf life.

INSEBO®
SOLUTIONS THAT MATTER

WS INSEBO GmbH
Industriestraße 24 A-2325 Himberg bei Wien
Tel.: +43/(0)2235/86227-0 E-Mail: office@insebo.com
Internet: www.insebo.com

Technical Data

Characteristics	Standard	Value
Density	EN 1183-1	1,1 ± 0,1 g/cm³
Shore A hardness	EN ISO 868	approx. 40
Skin formation time (normal climate 23/50)		ca. 8 min
Curing (normal climate 23/50, depending on substrate)		approx. 2 mm after 24 h
Volume loss	EN 10563	< 10 %
Tension behavior	EN 8339 (E-modulus 100)	0,60 N/mm²
Temperature resistance (cured mass)		-30 to +280 °C
Processing temperature		+5 to +40 °C
Shelf life cartridge (dry, at +5 to +25 °C)		18 months

Safety Instructions

Please refer to our safety data sheet and the product label for further information on product safety and handling.

Current safety data sheets and further information on our products can be found at www.insebo.com.

Service

Upon request, our trained sales representatives are always at your disposal.

Disposal

For disposal instructions please refer to our safety data sheet and product label.

INSEBO®
SOLUTIONS THAT MATTER

WS INSEBO GmbH
Industriestraße 24
A-2325 Himberg bei Wien
Tel.: +43/(0)2235/86227-0
E-Mail: office@insebo.com
Internet: www.insebo.com

Additional Information

This technical data sheet advises without obligation and guarantee. The mentioned processing instructions have to be adapted to the prevailing conditions. The user is obliged to check the suitability and application by own experiments in order to avoid failures.

All given descriptions, data, ratios, weights, etc. can change without notice and do not represent contractually agreed properties of the product. Existing laws, standards and regulations are to be observed by the recipient of our products in their own responsibility.

Due to environmental influences, such as chemical stress, vapors, UV exposure or high temperatures, color changes can occur. However, other product properties are not affected by these changes.

Due to the large number of possible influences during processing and application, a guarantee of certain properties or suitability for a specific application can not be made, own tests are necessary.

The right to make technical changes is reserved.

INSEBO®
SOLUTIONS THAT MATTER

WS INSEBO GmbH
Industriestraße 24 A-2325 Himberg bei Wien
Tel.: +43/(0)2235/86227-0 E-Mail: office@insebo.com
Internet: www.insebo.com