Technical Data Sheet

Version 03/2025

SilcTec SA 71 (Silikon A)

Product Description

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

Standards, test and specifications

- EN 15651-1: 12,5 E F-EXT-INT
- EN 15651-3: S1
- EN 13501: Fire behavior class E

Product Properties

- good protection against microorganisms (fungi): EN 15651-3: S1
- good modeling and smoothing properties
- fire behavior according EN 13501-1: class E
- good chemical resistance
- many colors available
- permanently elastic
- waterproof
- Weather, ageing and UV-resistant
- Ready-to-use
- color-stable

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SOLUTIONS THAT MATTER

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Areas of Application

Expansion joints, outdoors, weather-stressed joints, wet rooms, kitchen area, shower trays, bathtubs, sanitary area, repair and reconditioning works.

Form of Delivery

Cartridge 300 ml
Packing unit: 20 pieces per box

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, concrete

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 LiquiTec Grund GP and absorbent, open-pore substrates with LiquiTec Grund 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 LiquiTec Glätten 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.

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Technical Data

Characteristics	Standard	Value
Density	EN 1183-1	1,0 ± 0,1 g/cm³
Shore A hardness	EN ISO 868	ca. 15
Fire behaviour	EN 13501	class E
Skin formation time (normal climate 23/50)		ca. 10 min
Curing (normal climate 23/50, depending on substrate)		ca. 2 mm after 24 h
Stability	EN 7390 (no sagging in the joint)	≤ 3 mm
Tension behavior	EN 8339 (E-modulus 100)	ca. 0,4 N/mm²
Elongation at break	EN 8339	250 %
Temperature resistance (cured mass)		-20 to +140 °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.

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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.

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