Technical Data Sheet

Version 06/2025

SilcTec Glasleistenfüller 12 (Silikon GLF)

Product Description

Elastic, neutral (Alkoxy) crosslinking, solvent-free, one-component silicone sealant. Reacts with moisture.

Standards, tests and specifications

- EN 13501: Fire behavior class E
- Alkoxy crosslinking
- Emicode© EC1^{PLUS} – Very low emissions
- Baubook listed
- DGNB/ÖGNI: Q4 in line 11, 13 & 42
- GISCODE: DSA20

Product Properties

- Very low emission - EMICODE EC1^{Plus}
- VSG and edge bon compatible*
- Ideally suited for sealing the glazing bead
- low adhesion build-up
- can be processed on moist substrates
- fire behavior according to EN 13501-1: class E
- not corrosive to metals
- fulfils the strict ecological requirements of various institutes
- suitable on many wood stains
- Weather, ageing and UV-resistant
- color stability
- waterproof

*For information on edge seal compatibility, please contact the responsible sales representative.

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SOLUTIONS THAT MATTER

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Areas of Application

Sealing of glazing beads and filling of the rebate space in the window in the area of the glazing bead

Form of Delivery

Color:	green-transparent
Cartridge:	300 ml
Alu bag:	400 ml
Alu bag:	600 ml
Packing Unit:	20 pieces per box

Substrates

Suitable substrates:

Wood, chipboard, painted, varnished or impregnated wood, soft wood fibre boards, aluminium, corrosion-protected metals, iron, steel, brass, sheet zinc, glass, many plastics, rigid PVC

Unsuitable substrates:

Tar, bituminous substrates, EPDM, PIB, PTFE, PP, PE, plaster, mirror backing, lead

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 (e.g. with AeroTec Iso-Cleaner). Generally non-absorbent, closed-pore substrates should be pretreated with GRUNDIERUNG 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 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.

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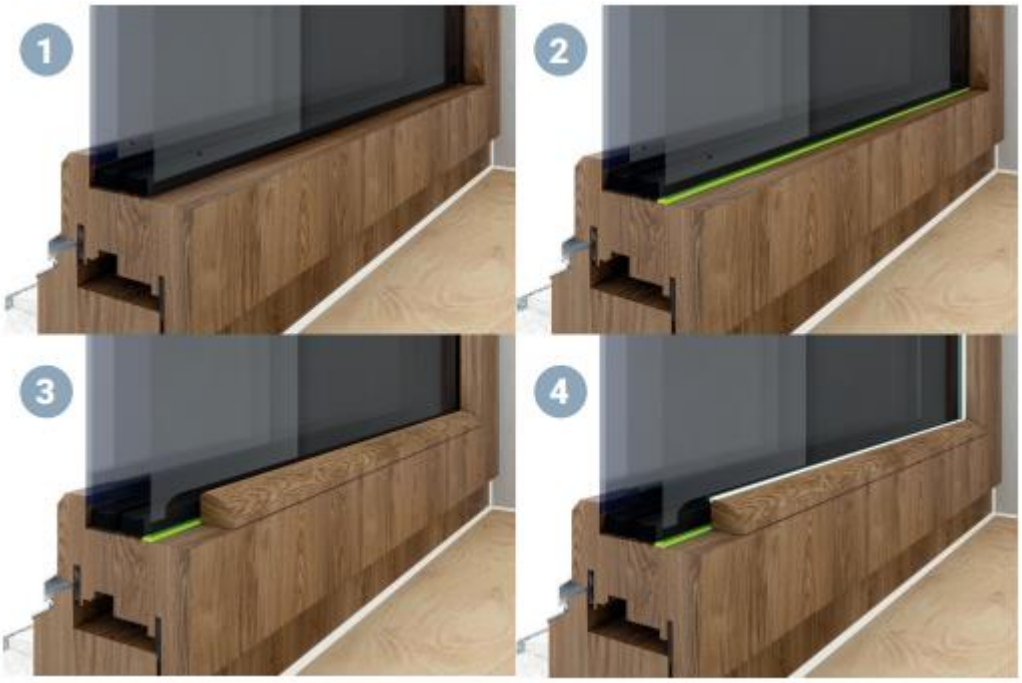

1. positioning and blocking of the glass pane in the sash frame
2. Inserting Glasleistenfüller 12 into the rebate space to a depth of approx. 0.5 to 1 cm, with a bulge to the outside
3. Insert the glazing bead into the Glasleistenfüller 12 bulge and fix in place with suitable materials
4. Seal the glazing rebate with a suitable silicone such as SilcTec Fenster 55 or Fenster AX 11

The Glasleistenfüller 12 cross-links on contact with air humidity to form a slightly elastic sealant. As almost no adhesion is built up on the adjacent materials during the cross-linking of the Glasleistenfüller 12 silicone, the glazing bead can be removed again without much effort if required. This special type of cross-linking prevents the penetration of water vapour via the reacted sealant.

Due to these material properties, Glasleistenfüller 12 silicone is best suited for sealing glazing beads and filling the rebate space in windows in the area of the glazing bead.

Not for sealing or grouting in other areas of application.

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Technical Data

Characteristics	Norm	Wert
Density	EN 1183-1	1,03 ± 0,1 g/cm³
Fire behavior	EN 13501	calss E
Stability	EN 7390 (no sagging in the joint)	≤ 3 mm
Volume loss	EN 10563	≤ 10 %
Temperature resistance (cured mass)		-20 bis +120 °C
Processing temperature		+5 bis +35 °C
Shelf life cartridge (dry, at +5 to +25 °C)		12 months
Shelf life alu bag (dry, at +5 to +25 °C)		12 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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