

# Technical Data Sheet

## Silikon GLF

Version 05/2024

### Product Description

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

### Product Properties

- very low emission - EMICODE EC1<sup>Plus</sup>
- Compatible with VSG (laminated safety glass) and glass edge seals\*
- Ideally suited for sealing the glass holding strip.
- Low adhesive buildup
- meets the strict ecological requirements of various institutes
- temperature resistant from -20 °C to +120 °C
- stable
- waterproof
- ready-to-use
- not corrosive to metals
- weather resistant
- resistant to aging
- UV resistant
- color stability
- suitable for many wood varnishes
- solvent-free
- phthalate-free
- halogen-free

\*For information regarding compatibility with laminated safety glass (VSG) and glass edge-sealants, please contact our respective field service representative.

### Areas of Application

Sealing of glass holding strips and filling of the rebate space in the window in the area of the glass holding strip.



## Form of Delivery

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

## Substrates

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### Suitable substrates:

wood, wood chipboard, lacquered, glazed or impregnated wood, wood fiber boards, aluminum, corrosion-protected metals, iron, steel, brass, zinc sheet, glass, many plastics, hard PVC

### Unsuitable substrates:

tar, bitumen-containing substrates, EPDM, PIB, PTFE, PP, PE, gypsum, mirror backside, lead

## Instructions for Use

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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.

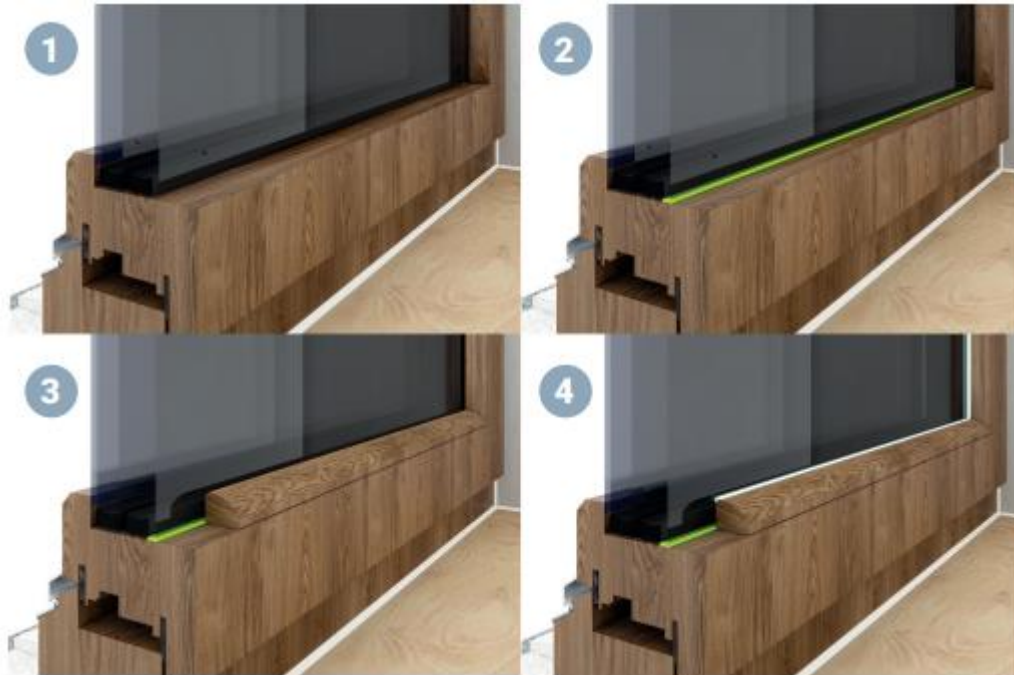
We advise to carry out a suitability test for the large number of substrates, building materials and/or coatings used today, especially for plastics, paintings and powder coatings. The use of a PE round cord as a joint backfill material is recommended to avoid three-point-adhesion. Before beginning,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

For applications in the area of insulating glass edge bonding, please contact us in advance.



1. Positioning and shimming of the glass pane in the sash frame.
2. Application of Silicone GLF into the rebate space, approximately 0.5 to 1 cm deep, with an outward bulge.
3. Insertion of the glass holding strip into the outward bulge of Silicone GLF and fixation with suitable materials.
4. Sealing of the glass rebate with a suitable silicone such as Silicone FO or SL.

The Silicone GLF cross-links upon contact with humidity to form a slightly elastic sealant. Due to the minimal adhesion of Silicone GLF to adjacent materials during cross-linking, the glass holding strip can be easily removed, if necessary, without significant effort. This unique cross-linking property prevents the ingress of water vapor through the reacted sealant.

Because of these material characteristics, Silicone GLF is best suited for sealing glass holding strips and filling the rebate space in windows in the area of the glass holding strip. It is not recommended for sealing in other application areas.

## Technical Data

| Characteristics                                | Standard                             | Value                        |
|--|--------------------------------------|------------------------------|
| Density  | EN 1183-1                            | 1,03 ± 0,1 g/cm <sup>3</sup> |
| Fire behavior                                  | EN 13501                             | class E                      |
| Stability                                      | EN 7390<br>(no sagging in the joint) | ≤ 3 mm                       |
| Volume loss                                    | EN 10563                             | ≤ 10 %                       |
| Temperature resistance<br>(cured mass)         |                                      | -20 to +120 °C               |
| Processing temperature                         |                                      | +5 to +35 °C                 |
| Shelf life cartridge<br>(dry, at +5 to +25 °C) |                                      | 12 months                    |
| Shelf life alu bag<br>(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](http://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.

## Additional Information

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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.

### GEV-EMICODE

**EC1<sup>Plus</sup> – very low emission**

Testing institute:

GEV Gemeinschaft Emissionskontrollierte Verlegewerkstoffe,  
Klebstoffe und Bauprodukte e.V.