

Product Information:

Glass Silicone 517

General description and application:

Glass Silicone 517 is a one-component elastic silicone sealant, which cures through a reaction with the moisture of the air, to an elastic joint, which has a movement capability of +/- 25 %.

The sealant is suitable for glazing of e.g. double-glazed window, joints between windows and solar panels.

Glass Silicone 517 has an excellent resistance towards temperatures and climatic ageing. The sealant has good adhesion on glass, enamel and aluminium without the use of primer.

Glass Silicone 517 must not be used for terrariums and aquariums.

The product is registered in the database for construction products that can be included in the Nordic Ecolabelled construction.



Member of **FO** Danish Association of Sealant Applicators & Manufacturers.

Physical / chemical properties:

Uncured sealant:

Type: Acetic curing 1-component silicone sealant.
 Contains fungicide: No
 Specific gravity: Approx. 0,98 kg/litre
 Shelf life: 18 months in unopened packing, if stored cool and dry.

Packaging:

Item no.	Colour	Size
51731	Transparent	300 ml

Cured sealant:

Paintable: No
 Hardness: Approx. 15 Shore A
 Max. joint movement: +/- 25 %
 100 % Modulus: Approx. 0,5 N/mm²
 Resistance: Temperature: Approx. -30 °C to 120 °C.
 Higher temperatures can be accepted for shorter periods.
 Water: Resists water, but not constant influence.

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Directions for use:

Joint dimensions:

Joints in which Glass Silicone 517 is used should be dimensioned so that the movement of the free sealant is below +/- 25 %. Joint width should be minimum 6 mm and maximum 30 mm. The depth is usually half of the width, although minimum 5 mm and maximum 15 mm. Use joint back-up material in the right dimension, which is placed according to the wanted depth of the joint.

The sealant is applied by means of a hand- or pneumatic gun. After application the sealant is pressed firmly into the joint and finished carefully with a tool.

If used as an adhesive:

Glass Silicone 517 is applied to one surface, and the elements are pressed together immediately. Depending on the construction, it can be necessary to fix the elements until the silicone has cured.

Joint preparation:

All surfaces must be clean, dry, free from release agents, grease and loose particles. Adhesion tests are always recommended, based on the guidelines below.

In practice, variations can occur in the different materials, therefore it is always recommended to carry out sufficient bonding tests before commencing – particular in larger applications.

We recommend the use of covering tape, which should be removed immediately after application of the sealant.

Application conditions:

Can be applied at temperatures from +5 °C to +40 °C and relative air humidity at minimum 30 %.

Curing:

Skin formation: approx. 5 minutes at 23 °C and 50 % RH.

Tack free time: approx. 30 minutes.

Curing time: 1 – 2 mm /day at 23 °C and 50 % RH.

The curing time is increased at lower temperatures and lower air humidity.

Cleaning:

Uncured sealant is removed with wipes.

Cured sealant can only be removed mechanically or with Silicone Remover 911.

Hands should be washed with water and soap.

Health and safety:

For further information on safety, refer to product safety data sheet.

The information and data contained in this Product Information sheet are based on extensive laboratory testing and our practical experiences and are meant for helping the user to find optimum working methods. As the conditions at the user are beyond our control, we make no warranties concerning the results, achieved by the products. The information's in this Product Information sheet are typical values, intended as a guideline. They should not be regarded as product specifications. Please also refer to our standard sales conditions and terms of delivery.

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