

Product Information:

Sanitary- & Building Silicone 577

Neutral, highly elastic.

General description and application:

Sanitary- & Building Silicone 577 is a neutral and highly elastic silicone sealant. The sealant cures by reaction with the humidity of the air and forms an elastic joint, which has a movement capacity of +/- 25 %.


Is particularly suitable for sanitary spaces and other damp areas like bathrooms or shower-cubicles.

Sanitary- & Building Silicone 577 has perfect adhesion on non-porous substrates such as glass, enamel and porcelain.

Sanitary- & Building Silicone 577 is weather resistant and suitable for joints around doors and windows.

Sanitary- & Building Silicone 577 meets the requirements of ISO 11600 (F/G-25LM).



Member of  Danish Association of Sealant Applicators & Manufactures.

Physical / chemical properties:

Uncured sealant:

Type: Neutral curing elastic silicone sealant
 Contains fungicide: Yes
 Specific gravity: Approx. 1.4 kg/litre colour, Approx 1,0 kg/litre transparent
 Shelf life: 1 year in original unopened packing, if stored cool and dry.
 Packaging:

Item no	Colour*	Size
75411	Transparent	300 ml cartridge
75412	White	300 ml cartridge
75427	Manhattan	300 ml cartridge
75410	Silkgrey	300 ml cartridge
75428	Brown	300 ml cartridge
75429	Black	300 ml cartridge

* Please note that for all neutral silicone sealants, there are a risk of slightly yellowing. Especially if the sealant is exposed to darkness or when used at certain paint types.

Cured sealant:

Paintable: No
 Hardness: Transparent: 15 – 25 Shore A
 Colored: 20 – 35 Shore A
 100 % Modulus: Approx. 0,3 N/mm² (DIN 53504)
 Maximum movement accommodation: +/- 25 %
 Resistance: Temperature: Approx. -50 °C to 150 °C.
 Higher temperatures can be accepted for shorter periods.
 Water: Resists constant influence of water. Cannot be used for quariums.

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 DOP: 15651-0577-1

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Directions for use:

- Joint dimensions:** Joints for which Sanitary- & Building Silicone 577 is used should be dimensioned so that the movement of the sealant is below +/- 25 %. The joint should be min. 6 mm and max. 30 mm wide. The depth of the joint is usually half the width, however at least 5 mm and max. 10 mm. Use joint back-up material in the right dimension, which is placed according to the wanted depth of the joint.
- Preparation:** All surfaces must be clean, dry, free of grease, dust and loose particles. Sanitary- & Building Silicone 577 can be used without primer on surfaces like glass, most metals, enamel, most types of painted surfaces and types of plastic, on bricks and wood and on porous surfaces.
- 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 a relative air humidity at minimum 30 %.
- Application:** The tip of the cartridge is cut off with a keen knife after which the tip is cut with an inclined cut, which is a bit smaller than the width of the joint. The sealant is applied by means of a hand- or pneumatic gun.
- The sealant is pressed in place and finished with a joint nail dipped in a soap dilution max. 5-10 minutes after application.
- Curing:** Skin formation: Approx. 5 - 15 minutes at 23 °C and 50 % RH.
Tack free: Approx. 1 - 4 hours at 23 °C and 50 % RH.
Curing time: 1 – 2 mm/day, dependant on air humidity and temperature.
The curing time is increased at lower temperatures and lower air humidity.
- Treatment:** Sanitary- & Building Silicone 577 cannot be painted.
- 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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