

Product Information:

Danaseal Construction 515

All-round, neutral and highly elastic


General description and application:

Danaseal Construction 515 is an all-round highly elastic alcoxy curing neutral silicone sealant with a long tooling time. It cures by reaction with the humidity of the air and forms an elastic joint, which has a movement capacity of +/- 25 %. Can be used for all kinds of constructions, both indoors and outdoors, and on almost all surfaces without the use of primer.

It is especially suitable for expansion joints between concrete elements, lead ins, joints around doors and windows. Excellent adhesion to glass, aluminium, ABS, stainless steel, pvc, treated wood, concrete etc. Danaseal Construction 515 has an excellent resistance against climatic ageing and temperature variations.

Fulfills the demands of ISO 11600 (F/G-25LM).



Member of  Danish Association of Sealant Applicators & Manufactures.

Physical / chemical properties:

Uncured sealant:

Type: Alcoxy curing neutral silicone sealant, 1-component.
 Contains fungicide: No
 Consistency: Paste, tixotropic
 Specific gravity: Approx. 1,0 kg/L (transparent), 1,4 kg/L (colours)
 Shelf life: 1 year in unopened packing, if stored cool and dry.
 Packaging:

Item no.	Colour*	Size
51531	Transparent	300 mL cartridge
75741		600 mL foilbags
51532	White	300 mL cartridge
75742		600 mL foilbags
51533	Grey	300 mL cartridge
75743		600 mL foilbags
51539	Light grey	300 mL cartridge
51535	Black	300 mL cartridge
75745		600 mL foilbags
51534	Brown	300 mL cartridge
75747	Cementgrey	600 mL foilbags
75748	Antracit	600 mL foilbags

CE

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 DOP: 15651-0515-1

EN 15651-1
 F-INT-EXT-CC

EN 15651-2
 G-CC

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

Cured sealant:

Paintable: No
 Hardness: Approx. 20 Shore A
 Maximum movement Accommodation: +/- 25 %
 100 % Modulus: 0,35 N/mm²
 Resistance: Temperature: -50 °C to 150 °C.
 UV: Good

Directions for use:

- Joint dimensions:** Joints for which Danaseal Construction 515 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. 15 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. Danaseal Construction 515 can be used without primer on surfaces like glass, most metals, most types of painted surfaces and types of plastic, on wood, concrete etc.
- 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 immediately after application.
- Curing:** Skin formation: Approx. 15 - 30 minutes at 23 °C and 50 % RH.
Curing time: 1 – 2 mm/day, at 23 °C and 50 % RH.
The curing time is increased at lower temperatures and lower air humidity.
- Treatment:** Danaseal Construction 515 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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