

**Product Information:**

# Danaseal Sanitary & Build Silicone 514

**All-round, neutral and highly elastic**

**General description and application:**


Danaseal Sanitary & Build Silicone 514 is a neutral highly elastic 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 glazing and damp areas like bathrooms, sanitary installations etc. Danaseal Sanitary & Build Silicone 514 is also suitable for a large range of industrial sealing.

Has perfect adhesion on non-porous substrates such as glass, enamel, rigid pvc, stainless steel, natural stone etc.

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

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

Member of  Danish Association of Sealant Applicators & Manufactures.



**Physical / chemical properties:**

**Uncured sealant:**

- Type: Neutral silicone sealant, 1-component
- Contains fungicide: Yes
- Consistency: Paste, tixotropic
- Specific gravity: Approx. 1,25 - 1,30 kg/L
- Shelf life: 1 year in unopened packing, if stored cool and dry.
- Packaging:

Item no	Colour*	Size
51431	Transparent	300 mL cartridge
51432	White	300 mL cartridge
51433	Grey	300 mL cartridge
51434	Steel grey	300 mL cartridge
51435	Black	300 mL cartridge
51438	Antracite grey	300 mL cartridge
51439	Silk grey	300 mL cartridge
51462	White	600 mL foilbags
51466	Beige	600 mL foilbags – <b>order item</b>
51471	Transparent	75 mL tube
51472	White	75 mL tube

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

**Cured sealant:**

- Paintable: No
- Hardness: 18-40 Shore A (dependent on colour)
- Maximum movement accommodation: +/- 25 %
- 100 % Modulus: Approx. 0,5 N/mm<sup>2</sup>
- Resistance: Temperature: -40 °C to 150 °C. Higher temperatures can be accepted for shorter periods.  
Climatic aging (UV): Good  
Water: Resists constant influence of water. Cannot be used for aquariums.

## Directions for use:

- Joint dimensions:** Joints for which Danaseal Sanitary & Build Silicone 514 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. Danaseal Sanitary & Build Silicone 514 can normally be used without primer on surfaces like glass, enamel, stainless steel, aluminium, most types of painted surfaces, rigid pvc 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. 10 - 20 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:** Cannot be painted.
- Cleaning:** Tools can be cleaned - and sealant removed with acetone.  
Cured sealant can only be removed mechanically or with DANA 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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