

**Product Information:**

# Sanitary Silicone 512

**All-round, neutral and elastic**

**General description and applications:**


Sanitary Silicone 512 is a neutral highly elastic sealant. It 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. Usable on natural stone. Sanitary Silicone 512 is suitable for building materials such as glass, enamel, hard pvc, stainless steel, natural stone etc.

Sanitary Silicone 512 meets the requirements of Ecodec Class EC 1<sup>PLUS</sup>.

Sanitary Silicone 512 is approved for indirect contact to foodstuff.



Member of  Danish Association of Sealant Applicators & Manufacturers.

**Physical / chemical properties:**

**Uncured sealant:**

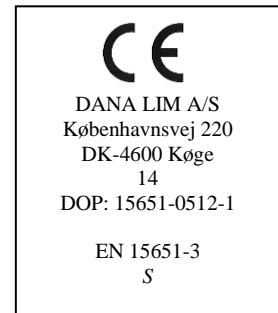
Type: Neutral elastic silicone sealant.  
 Contains fungicide: Yes  
 Consistency: Paste, tixotropic  
 Specific gravity: Approx. 1,0 - 1,4 kg/L depending on the colour  
 Shelf life: 1 year in unopened packing, if stored cool and dry.  
 Packaging:

Item no.	Colour*	Size
51231	Transparent	300 mL cartridge
51232	White	300 mL cartridge
51235	Light beige	300 mL cartridge
51236	Beige	300 mL cartridge
51240	Pearl grey	300 mL cartridge
51239	Light grey	300 mL cartridge
51234	Steel grey / Manhattan	300 mL cartridge
51237	Signal grey	300 mL cartridge
51233	Grey	300 mL cartridge
51238	Antracite grey	300 mL cartridge
51243	Grey white	300 mL cartridge
51244	Standard grey	300 mL cartridge
51245	Black	300 mL cartridge

\* 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. 18 - 22 Shore A (depending of colour)  
 100 % Modulus: Approx. 0,3 N/mm<sup>2</sup>  
 Maximum movement accommodation: +/- 25 %  
 Temperature resistance: -40 °C to 150 °C. Higher temperatures can be accepted for shorter periods.  
 Water resistance: Resists constant influence of water. Cannot be used for aquariums.



## Directions for use:

- Joint dimensions:** Joints for which Sanitary Silicone 512 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. The joint must be dimensioned and constructed according to existing regulations.
- Preparation:** All surfaces must be clean, dry, free of grease, dust and loose particles. Sanitary Silicone 512 can be used without primer on surfaces like glass, enamel, stainless steel, aluminium, most painted surfaces, rigid pvc etc.
- When used on natural stone, follow the guideline »Sealing and bonding of natural stones«.
- 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. 5 - 15 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:** Sanitary Silicone 512 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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