

**Product Information:**

# Aquarium Silicone 579

**Optimum glass bonding strength, highly resistant**

**General description and typical applications:**

Aquarium Silicone 579 is a strong elastic silicone sealant, developed for the assembling of aquariums and terrariums. Also suitable for other glass bondings, where optimum strength is required. The sealant resists UV-light, temperature variations, fresh water and sea water.

Aquarium Silicone 579 cures in a reaction with air humidity to an elastic joint, which has a movement capability of +/- 25 %.

Aquarium Silicone 579 fulfils the requirements of ISO 11600 (G-25HM), ISO 11600 (F-25HM) and DIN 32 622.



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

**Physical / chemical properties:**

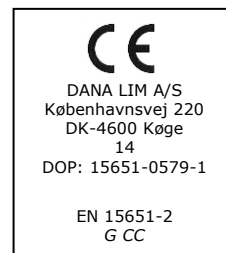
**Uncured sealant:**

- Type: Acetic curing 1-component silicone sealant.
- Contains fungicide: No
- Consistency: Paste, tixotropic
- Specific gravity: Approx. 1,04 kg/litre.
- Shelf life: 2 years in original unopened packing, if stored cool and dry.
- Packaging:

Item no	Colour	Size
75591	Translucent	300 ml cartridge
75595	Black	300 ml cartridge

**Cured sealant:**

- Paintable: No
- Hardness: Approx. 24 Shore A
- 100 % Modulus: Approx. 0,6 N/mm<sup>2</sup>
- Maximum movement accommodation: +/- 25 %
- Resistance: Temperature: Approx. -50 °C to 200 °C. Higher temperatures can be accepted for shorter periods.  
Water: Resists constant influence of water.



## Directions for use:

### Joint dimensions:

*The dimensioning of the joints should be carried out in accordance with the size of the aquarium, thickness of the glass, design etc. For more information, please refer to professional literature.*

### Preparation:

*All surfaces must be clean, dry, free of grease, dust and loose particles. We recommend to degrease the glass with a soft cloth with ethanol, and dry with a soft cloth.*

*Aquarium Silicone 579 can be used on standard glass without primer. On laminated and coated glass, the adhesion could be reduced. It is therefore always recommended to carry out an adhesion test.*

### Application conditions:

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

### Application:

*The sealant is applied with a caulking gun. Immediately after application, the glass is assembled and kept in the correct position, until the sealant has cured.*

*If Aquarium Silicone 579 is used for traditional sealing, it must be pressed in place and finished with a joint nail dipped in a soap dilution immediately after application. We recommend the use of covering tape, which should be removed immediately after application of the sealant.*

### Curing:

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

*Tack free: Approx. 30 minutes at 23 °C and 50 % RH.*

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

*The curing speed will slow down at lower temperatures and lower air humidity.*

### Control:

*After complete curing, the water tightness must be tested. Leaks must be marked, and the aquarium should be emptied. After drying, the leaks should be repaired with Aquarium Silicone 579.*

*Do not use the aquarium until the sealant has cured completely.*

### Cleaning:

*Tools can be cleaned - and sealant removed - with f.ex. acetone.*

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

*Hands should be washed with water and soap.*

## Safety:

### Hazard symbols:

*None*

*For further information, please refer to Safety Datasheet.*

*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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