

Aquarium

Aquarium Silicone

Product Description:

Bostik Aquarium is a polysiloxane-based, acetic system silicone that hardens with the air.

Areas of applications:

- In the glass installation details, in displays, etc.
- In all kind of aquarium production

Features:

- Harmless for the fish
- Solvent-free
- Ready to use, one component insulating material
- Its slight smell disappears after dried
- Does not contain materials that are toxic and harmful to human health
- Permanently elastic
- Resistant to aging, weather conditions and UV lights
- Resistant to abrasion
- Unaffected by weather conditions approximately one hour after the application (at 20°C)
- Dried surfaces do not adhere to other materials
- Does not keep paint on
- Resistant to detergent water and diluted acid

Technical data:

Colour	Transparent, white
Breaking Strength MPa	~ 2,2
Elasticity (DIN 53504)	≥ 450
Elastic Modulus at 100% elongation MPa	≥ 0,5
Shore A Hardness	~ 20
Density (gr/cm ³)	1,00 ± 0,02
The expansion ratio of joints (%)	~ 25
Surface Drying (min)	~ 10
Hardening Duration (mm/day)	Approx. 2
Heat Resistance	Between -50°C and +200°C
Run Temperature	Between -10°C and +40°C

Thermal Conductivity Rate, W/km: 0,1 – 0,2

Resistance to Chemicals: It is not affected by acetone, ether, toluene, alcohol, benzene, fuel oil, DOP, ammoniac, vinegar, water with 20% alkaline solution, etc. at room temperature and in short contacts. In case of swelling in long-term contact, it reverts to its former situation once dried.

Technical data are approximately provided according to a temperature of + 20°C and a relative humidity of 50%.

Electrical features:

Dielectric constant, Er at 20°C: at 50 Hz, 2.7 (DIN 53483)

Preparing the substrate :

- The application surfaces should be strong, clean, dry and grease- and dust-free.
- Both sides can be taped in order to obtain a smooth filling.

Application:

- Before the application, the tip of the cartridges is cut and a plastic cap is fixed.
- The tip of the cap is cut according to the width of the surface and fixed to the cartridge gun.
- The joints should be filled at one time and without gaps during the application.
- After the joints are filled with silicone, the surface is smoothened with a spatula immediately.
- The adhesive tape should be removed afterwards.

- Do not apply outdoors in rainy weather.

Cleaning after the application :

- The contaminated areas and used tools should be cleaned with white spirit or alcohol within 10 minutes.
- It is cleaned only mechanically after cured.

Coverage:

The amount of use varies according to the joint sizes.

Width of joints (mm)	Depth of joints (mm)	Coverage at 1m (mm)	Coverage gr / m
5	5	25	24,00
10	10	100	96,00
20	12	240	230,40

Packaging:

In 310 ml cartridges / 25 pcs in one box

Storage:

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden palettes between +5°C and +25°C.
- The opened products should be consumed immediately.
- Maximum 8 boxes are stacked on each other.
- Shelf life is maximum 1,5 year conditional to complying with the abovementioned storage conditions.

BOSTIK is only responsible for the product quality and cannot be held responsible for its mis-use except for the recommendations regarding where and/or how the product shall be used. This technical bulletin hereby is valid until it is renewed. BOSTIK's right to amend the products in accordance with technical developments is reserved.



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