Aquarium Silicone

Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 7 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	25 ± 5 Shore A
Density	1,03 g/ml
Elastic recovery (ISO 7389)**	> 90 %
Maximum allowed distortion	25 %
Max. tension (ISO 37)**	2,00 N/mm²
Elasticity modulus 100% (ISO 37)**	0,48 N/mm²
Elongation at break (ISO 37)**	800 %
Temperature resistance**	-60 °C → 180 °C
Application temperature	5 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

Aquarium Silicone is a high quality, elastic, 1-component sealant based on silicones. Aquarium Silicone is suitable for the construction of aquaria and terraria.

Properties

- Very easy to apply
- UV-resistant
- Permanently elastic after curing
- Very good adhesion on glass and aluminium
- Completely neutral after curing

Applications

- Construction of full glass aquaria and terraria.
- Bonding of glass constructions.
- Repairing of full glass aquariums.

Packaging

Colour: transparent
Packaging: 280 ml cartridge, 290 ml cartridge, 300 ml cartridge

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Substrates

Substrates: glass
Nature: rigid, clean, dry, free of dust and grease.
Surface preparation: No pretreatment required. We recommend a preliminary adhesion test on any substrate.

Application method

Application method: With manual- or pneumatic caulking gun.
Cleaning: Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing).
Finishing: With a soapy solution or Soudal Finishing Solution before skinning.
Repair: With the same material.

Aquarium Silicone

Health- and Safety Recommendations
Take the usual labour hygiene into account. Consult the packaging label for more information.

Remarks

- Even though this silicone is an acetic silicone, the product is not poisonous after curing so that all types of aquaria can be constructed which can be populated by all sorts of fish.
- Only suitable for aquaria built according to DIN32622: max. dimensions 200 x 60 x 60 cm, use the correct thickness of glass.
- Add sufficient reinforcements to avoid bending of the glass.
- Minimum bond thickness should be 1 mm. Never fill the aquarium until full cure.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

Environmental clauses
Leed regulation:
Aquarium Silicone conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

Liability
The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.