SILICONE GLASS

SILICONE SEALANT FOR GLAZING APPLICATIONS

PRODUCT DESCRIPTION

High quality, permanently elastic, water resistant silicone sealant for glass applications.

FIELD OF APPLICATION

Suitable for sealing joints, seams and cracks in the house, glass construction, display case construction, cars, boats and caravans. Especially suitable for bonding and sealing clear glass, frameless aquariums, display cases, display windows, glass terrariums, water basins and (double) glass constructions. Also suitable for sealing joints in glazing systems. Adheres to clear glass (non-coated, single-layered), ceramics, glazed tiles, enamel, metals (including aluminium and stainless steel) and various synthetics. Not suitable for bitumen, polyethylene (PE), polypropylene (PP), PTFE and silicone.

PROPERTIES

· (Sea)water resistant
· 100% silicone
· Permanently elastic
· UV and all-weather resistant
· Easy to apply
· Resistant to temperatures between -50°C and +180°C
· Chemical resistant

PREPARATION

Working conditions: Only apply at temperatures between +5°C and +40°C.
Surface requirements: The surface must be dry, clean and free of dust, rust and grease.
Preliminary surface treatment: For a good result, cover the joint's edges with masking tape. If necessary, prevent three-sided bonding by filling the joint with a foam backer rod or PE film.
Tools: Apply cartridge with a Power Pistol. Multi Tool to open the cartridge and tooling the sealant.

APPLICATION

Coverage: Content suitable for approx. 8 to 15 m (depending on the diameter of the joint).
Directions for use:
Use sealant gun to handle cartridge. Open the cartridge by cutting off the plastic nipple on the top side at the screw thread with a sharp knife. Screw on the nozzle and chamfer at the desired width. Inject the sealant evenly into the joint and tool within 10 minutes with a putty knife of Bison Silicone Multi Tool, moistened with a soap solution. After approx. 15 minutes, a surface skin will form. Before putting plants and fish in the aquarium, bonded and/or jointed aquariums will need to air for 4-8 days. After that, the aquarium must have been filled with fresh water 3 to 4 times over a 24-hour time period.
Stains/residue: Remove stains immediately with acetone. Cured sealant can only be removed mechanically.
Points of attention: Silicone cures under the influence of air humidity. Contact with air humidity is therefore absolutely necessary during curing. By applying masking tape along the joints completely smooth seams are achieved, remove the tape immediately after smoothing.

CURE TIMES

Skin over time: approx. 15 minutes

*** Curing time may vary depending on a.o. surface, product quantity used, humidity level and ambient temperature.**

TECHNICAL PROPERTIES

Water resistance: Very good
Temperature resistance: -50°C to +150°C
UV resistance: Very good
Mildew resistance: Nil
Chemicals resistance: Very good
Paintability: Not paintable
Elasticity: Very good
Filling capacity: Very good

TECHNICAL SPECIFICATIONS

Chemical base: Silicone elastomer
Colour: Transparent
Viscosity: approx. 0 mPa.s., Pasty
Density: approx. 1.03 g/cm^3
Flash point: K3 (>55°C)
Hardness (Shore A): approx. 18
Elasticity E-modulus: approx. 0,3 MPa
Elongation of rupture: approx. 650 %

STORAGE CONDITIONS

Maximum 24 months after production. Limited shelf life after opening. Store in properly sealed packaging in a dry place at between +5°C and +25°C.