

TECHNICAL DATA SHEET

Glass



Aquarium Silicone

Promast Glass, also known as aquarium silicone, is a high-performance acetoxy silicone sealant which can be used for bonding and sealing applications on glass substrates without any harmful ingredients to any living being.

TECHNICAL DATA

■ Basis	Acetoxy
■ Consistency	Thixotropic
■ Curing system	Moisture Curing
■ Tack-free time	Ca. 15 mins
■ Skin Formation* (20°C/65% R.H.)	3-4 mm/24h
■ Hardness (DIN 53505)	20 ± 5 Shore A
■ Density	1,02 gr/lt
■ Temperature Resistance (Cured)	-40°C +180°C
■ Elastic Recovery (ISO 7389)	> 95%
■ Motility	20%
■ Elongation at Break (DIN 53504)	> 350%
■ Application Temperature	5 °C - 40 °C

APPLICATIONS AREAS

- Aquariums.
- Portable water tanks.
- Aquarium bonding and sealing.
- Glass to glass bondings.

SPECIFICATIONS

- Solvent-free, 100% pure silicone.
- Not poisonous, doesn't give any harm to animals or organisms.
- Excellent adhesion on glass.
- Does not shrink.
- Resistant to UV light, does not turn yellow.
- Abrasion resistant.
- Resistant to cleaning supplies and chemicals.
- Suitable for indoor and outdoor use.
- Cures very fast. Can be exposed to water several hours after the application.

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SAFETY INFORMATION

It contains minor amounts of volatile chemicals. It must not be inhaled and the application ambience must be ventilated if used indoors. Since it may cause irritation to avoid prolonged contact of wet silicone to skin. Hardened silicone does not contain any harmful components.

SURFACE PREPERATION

- Surfaces which contact with sealant must be clean and dry and not contain any oil, dust or rust.
- Non-porous surfaces must be cleaned in advance with a suitable solvent. Applied solvent must be wept well from the surface without allowing it to evaporate.
- Applying masking tape around the application joints prevents smudging and provides a more aligned application.
- Masking tape must be removed promptly after application.
- Primer is not needed before the application on non-porous surfaces like faience, ceramics and glass.
- Primer use may be required for some metal and plastic types.

JOINT PREPERATION

- Joint width must be between 6-20 mm.
- Depth of the applied silicone depends on the size of width. Apply 6 mm silicone in the widths with depths up to 12mm.
- Depth of silicone must be roughly half of its width wider joints.

APPLICATION METHOD

- Cut the tip of the cartridge and screw the application nozzle to the cartridge
- Cut the nozzle at a suitable points depending on the thickness of the application joint.
- Place the cartridge to the silicone gun and apply on the desired area.
- Before silicone forms a crust, smoothen the silicone with a thin plastic of wood spatula.
- Clean the smudged silicone with a solvent based cleaner without allowing it to dry. Dried silicone can be cleaned with mechanical methods

PACKAGING (Volume)

280 ml cartridge (box of 25 pieces)

SHELF LIFE

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

COLORS



Transparent



Black



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