

FINAL AQUARIUM SILICONE

Non-toxic, solvent-free silicone sealant for use in aquarium construction and glazing applications.

PROPERTIES

- 100% solventless silicone.
- Non-toxic to fish.
- Resistant to water, UV and many chemicals.
- One component, cures with atmospheric moisture.
- Keeps its elasticity at low and high temperatures.
- Rapid curing.
- Very good bond and physical strength.

APPLICATION AREAS

- Construction and repair of aquariums and many glass structures.
- Suitable on glass/aluminum structures.
- Glazing on aluminum frames and shop displays.
- Sealing of windows and doors.

SILICONE ADVANTAGES

- Silicone sealants outperform and outlast organic weatherproofing sealants.
- Silicone sealants have greater UV stability and temperature and weather resistance than organic sealants.
- Silicone sealants are inherently waterproof.
- Silicone sealants remain flexible over a wide temperature range (-40 to 150°C) and are easy to apply in cold weather.
- Silicone sealants last longer and need to be replaced less often than many organic sealants, which reduces lifetime costs and contributes to sustainability.

SURFACE PREPARATION

Following cleaning procedure and materials are recommended:

Glass	Degrease with alcohol or MEK
Aluminum, light alloys and stainless steel	Degrease with alcohol or MEK
Other Metals	Lightly abrade then degrease as above
Wood	Lightly abrade surface then remove dust

Plastics

Degrease using an agent recommended by plastics manufacturer

STORAGE AND SHELF LIFE

The shelf life is 18 months if stored in unopened-original package in a dry place at temperatures between +5°C and +25°C.

COLORS

Transparent

PACKAGING OPTIONS

310gr cartridge / 24box

SAFETY & DISPOSAL

Inhalation of the sealant vapor for a long period must be avoided. The application area must be ventilated properly. The uncured sealant must not be contacted for a long period. Cured silicone rubber bears no risk to health. Temperatures between +5°C and +25°C. Check MSDS guidelines for disposal and further information concerning safety.

WARNING

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Not recommended to use on porous surfaces like marble, natural stone, concrete etc.
- Because of acidic curing, it must not be used on mirrors and sensitive metals like copper, brazen, lead. Not over paintable.
- Do not use in conjunction with bitumen asphalt, neoprene and certain organic elastomers.
- It is not suitable for food contact applications.
- Avoid from direct UV.
- Can yellow if exposed to bleach or HCL based brick cleaners whilst curing.

PRODUCT INFORMATION

Product Name	Composition	Typical Applications	Available Colors
Acetoxy Sealants			
SLT-5431 Sealant Acetoxy	Acetoxy; one-component; RTV silicone sealant	Suitable for sanitary or other sealing applications where mildew resistance of the cured sealant is required	Transparent

TYPICAL PROPERTIES

Product Name	Tack-free time, min	Flow, mm	Extrusion, g/min	Depth cure, mm/day	Durometer, Shore A, points	Density, g/cm ³	Elongation, %	Tensile, MPa
Acetoxy Sealants								
SLT-5431 Sealant Acetoxy	-	-	817	1.8	13	0.99 - 1.05	480	2.1