

TECHNICAL DATA SHEET

100% Pro Grade Silicone

Product is one part, high quality acetoxy silicone sealant that reacts with the atmospheric moisture producing a flexible rubber, with high mechanical characteristics.

It offers excellent resistance to fungal and bacterial growth, aging, cracking and discolouring and has good adhesion to a range of non-porous substrates including glass, ceramic tiles, vitrified surfaces, fiberglass and anodized aluminium. The adhesion can be improved in many cases by a pre-treatment with primer.

Fields of application

General elastic sealing applications on glass and aluminium-glass frameworks.
Expansion joints in bathroom and domestic humid areas.

Main benefits:

- Top quality 100% silicone.
- Anti-mildew protection.
- High elasticity. Excellent mechanical behavior.
- Excellent adhesion to a variety of ceramic and vitrified substrates.
- Excellent weathering, ageing and UV-resistance.
- Short skinning time. Fast curing.

Product has been tested and is classified accordingly:

Sealant used for sealing glazing applications, intended for use in cold climate.
EN 15651-2:2012: Type G-CC: CLASS 25LM

Sealant used for sanitary applications.
EN 15651-3:2012: Type S: CLASS XS1

Application conditions

Usage temperature between +41°F and 104°C. The application temperature of the sealant must be +68°F - 77°F.

Restrictions on use

As silicone releases acetic acid during vulcanization, it is not recommended for use on:

- Natural stone, marble, granite and alkaline supports (concrete, fibrous cement, mortar, etc.).
- It should not be used in contact with metals such as zinc, copper, brass or lead, as it provokes acid corrosion.
- It must not be used to seal laminated glass, as it could attack the PVB (butyral) interlayer.
- It is not suitable for contact with secondary sealant of insulating glass units.

Use a neutral silicone instead.

Not recommended for structural glazing bonding, for the construction or sealing of aquariums, for mirror mounting, or in direct contact with food.

It should not be applied on bituminous substrates or to materials that bleed oils, plasticizers, solvents or release by-products that may inhibit cure, affect adhesion or discolours the sealant. (e.g. natural rubber, chloroprene or EPDM)

This silicone cannot be painted.

Application instructions

The surfaces exposed to the sealant must be clean, dry and free from loose particles such as dust, debris, rust, oil and other contamination. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent rests should be removed before evaporating with a clean cloth.

Cut off the threaded end of the plastic cartridge and screw on the application nozzle for directing silicone. Cut the threaded end in a way where a suitable opening for application of silicone is produced. Place the cartridge together with the nozzle in the silicone gun and fill the installation nozzle with silicone, by repeatedly pressing the gun trigger.

Apply silicone in the joint by repeatedly and evenly pressing on the gun trigger and smoothly dragging the nozzle in a continuous movement along the joint. After applying the silicone, smoothen silicone with a rubber silicone scraper. Remove excess silicone.

Cleaning

Clean uncured sealant with solvents like white spirit, acetone. Cured sealant can be removed mechanically.

Technical data

Property	Unit	Value
Density	g/cm ³	Ca. 1,03
Tack free time	minutes	10
Skin forming time	minutes	15-20
Curing rate	mm/24 h	2-3
Resistance to flow (ISO 7390)	mm	0
Service temperature	°F	-40 to 302
Shore A hardness (ISO 868)		14
Movement capability	%	±25
Tensile properties		
2 mm thickness- ISO 37		
Modulus at 100% elongation	MPa	0,25
Tensile strength	MPa	1,50
Elongation at break	%	>900
12x12x50 mm joint- ISO 8339		
Modulus at 100% elongation	MPa	0,24
Tensile strength	MPa	0,74
Elongation at break	%	>500

The parameters indicated have been measured at 74 °C and 50% relative air humidity.

Colour

Transparent, white.

Package

310 ml plastic cartridge, 12 cartridges in box.
600 ml foil package, 20 pcs in a box.

Storage conditions

Guaranteed storage time 18 months starting from the date of manufacture if stored in a closed original package in a dry place between 41°F and 77°F.

Safety regulations

Ensure sufficient ventilation during application. Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Cured silicone sealant can be handled without any danger to health. More specific safety information is available on the safety data sheet (SDS).

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice.

This TDS replaces and supersedes all previous data sheets on the same product.