

TECHNICAL DATASHEET

PENOSIL Premium Greenhouse Silicone

Single-component neutral sealant with great adherence. Adheres well to glass, glazed surfaces, wood, ceramic tiles, many plastics and other construction materials. Can be used in contact with metals. Long processing time. Non-sagging, does not spread in the joint.

Fields of application

Sealing works in greenhouses and winter gardens. Insulation and sealing of window and door frames. Insulating and sealing of structures made of Plexiglas, layered.

Product has been tested and is classified accordingly:

Sealant for facade for interior and exterior application.
EN 15651-1:2012: Type F-INT-EXT: CLASS 12,5E

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

Sealant used for sanitary applications.
EN 15651-3:2012: Type S: CLASS S1

Application conditions

Application temperature between +5 °C and +40 °C. The application temperature of the sealant must be +20 °C - +25 °C. The application at temperatures lower than +5 °C, can only be carried out when connected surfaces are free of condensation, snow and ice.

Not suitable for sealing aquariums and for under-water applications.

Application instructions

The surfaces must be clean from dust, loose particles and oil. 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 cartridge and screw on the application nozzle for directing sealant. Cut the threaded end in a way where a suitable opening for application is produced. Place the cartridge together with the applicator in the gun and fill the installation nozzle with sealant, by repeatedly pressing the gun trigger.

Apply sealant in the joint by repeatedly and evenly pressing on gun trigger and smoothly dragging the nozzle along the joint. After application, smooth the surface with a rubber silicone scraper and remove excess material.

Ensure adequate ventilation in all joint locations. During the curing process, make sure that no impurities can settle on the surface and that the joint surface is not affected by mechanical load.

Cleaning

Uncured sealant, tools and hands can be cleaned with PENOSIL Premium Cleaning Wipes.

Cured sealant can be removed mechanically by using PENOSIL Premium Silicone Remover for softening the sealant. Clean the surface with sponge and water.

Technical data

Properties	Unit	Value
Skin forming time	minute	10-12
Curing time	mm/24 h	3-4

Density (DIN53 479-B)	g/cm ³	0,99
Properties of cured sealant		
Movement of the joint, ISO 11600	%	± 12,5
Intensity of microbiological grows, ISO846		0+
Resistance to flow, ISO7390	mm	0
Change in volume, ISO10563	%	25 ± 1
Elongation at break, ISO37	%	530 ± 25
Tensile strength, ISO37	N/mm ²	1,4 ± 0,2
Modulus at 100% elongation, ISO 37	N/mm ²	0,5 ± 0,1
Hardness (Shore A)		35 ± 2
Temperature resistance	°C	-40 to +100
Hardness (Shore A) (ISO 868)		25±2
Temperature resistance	°C	-40 to +100

The parameters indicated have been measured at +23 °C and 50% relative air humidity.

Colour

Transparent.

Package

310 ml cartridge, 12 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 +5 °C and +30 °C.

Safety regulations

Keep out of the reach of children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with water and seek medical advice.

Cured sealant can be handled without any danger to health.

Detailed safety information is available on safety data sheet (SDS).