

TECHNICAL DATASHEET

PENOSIL Premium Neutral Silicone

Single-component silicone sealant with good processing properties, great adherence and a wide application area. Insulates and seals in both indoor and outdoor conditions. Adheres to most building materials such as stone, metal and wood materials, glass and plastic surfaces. Suitable for slightly alkaline, metal surfaces. Adheres well to porous surfaces. Mould, UV, moisture and weather resistant. Excellent processing and smoothing properties. Low odour.

Fields of application

Insulation and sealing of connections in general construction and repair works. Also on surfaces where acid-curing silicone cannot be used e.g., sheet metal works and ventilation works etc. All finishing, insulation and ventilation works.

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 (transparent)
EN 15651-3:2012: Type S: CLASS XS1 (colours)

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. Not paintable.

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.

310 ml cartridge: 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.

600 ml foil package: Open the application nozzle of the gun, insert the package in the gun and open the applicator side by removing the fastening clamp. Place the applicator nozzle on the opened end and screw on the cap.

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	13–15
Curing time	mm/24 h	2,5–3
Density (DIN 53 479-B)	g/cm ³	0,99 – transparent 1,26 – coloured
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 – transparent 20 ± 1 – coloured
Elongation at break, ISO37	%	525 ± 25 – transparent 400 ± 25 – coloured
Tensile strength, ISO37	N/mm ²	1,4 ± 0,2 – transparent 2,5 ± 0,2 – coloured
Modulus at 100% elongation, ISO 37	N/mm ²	0,5 ± 0,1 – transparent 1,1 ± 0,1 – coloured
Hardness (Shore A)		35±2 – transparent 45±2 – coloured
Temperature resistance	°C	-40 to +100

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

Colour

Transparent, white, grey, brown, beige, black.

Package

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

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 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).