

TECHNICAL DATASHEET

PENOSIL Standard Neutral Silicone

Single-component neutral-curing silicone sealant with good processing properties, long shelf life and a wide application area. Insulates and seals in both indoor and outdoor conditions. Adheres to most building materials such as stone, metal, wood materials, glass and plastic surfaces. Suitable for slightly alkaline metal surfaces and porous surfaces. Mould, UV, moisture and weather resistant. Low odor.

Field of applications

Insulation and sealing of connections in general construction and repair works. Also suitable on surfaces where acid-curing silicone cannot be used. All finishing, insulation and ventilation works both indoor and outdoor. Suitable for wet and dry rooms.

Product has been tested and is classified accordingly:

Sealant for facade for interior and exterior application, intended for use in cold climate.
EN 15651-1:2012: Type F-INT-EXT-CC: CLASS 12,5E

Sealant used for sanitary applications.
EN 15651-3:2012: Type S: CLASS S3

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. The surfaces must be clean from dust, loose particles and oil. 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.

280 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.

Technical data

Properties	Unit	Value
Skin forming time	minute	20-22
Curing time	mm/24 h	2,5-3 - transparent 3-4 - coloured
Density (DIN 53 479-B)	g/cm ³	0,98 - transparent 1,23 - coloured
Properties of cured sealant		
Movement of the joint, ISO 11600	%	± 12,5
Intensity of microbiological grows, ISO846		2
Resistance to flow, ISO7390	mm	0
Change in volume, ISO10563	%	18,5 ± 1
Elongation at break, ISO37	%	375 ± 25 - transparent 300 ± 25 - coloured
Tensile strength, ISO37	N/mm ²	1,7 ± 0,2 - transparent 1,9 ± 0,2 - coloured
Modulus at 100% elongation, ISO 37	N/mm ²	0,8 ± 0,1 - transparent 1 ± 0,1 - coloured
Hardness (Shore A)		35 ± 2 - transparent 45 ± 2 - coloured
Temperature resistance	°C	-40 to +80

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

Colour

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

Package

280 ml cartridge, 12 pcs in a box.
600 ml foil package, 20 pcs in a box.

Storage conditions

Guaranteed storage time 12 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. Detailed safety information is available on safety data sheet (SDS).