

TECHNICAL DATASHEET

PENOSIL Premium Neutral Sanitary Silicone

Single-component neutral mould-resistant silicone sealant with good adherence properties for insulation and sealing in sanitary rooms. Adheres to most materials without using primer. Suitable for metallic surfaces and alkaline substrates such as concrete, mortar, asbestos cement. Weather resistant after curing.

Fields of application

- Insulation and sealing in sanitary applications
- Sealing connection and deformation joints in construction works

Application instructions

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.

Surface preparation

For better results it is recommended to use primer.

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.

Application method

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	Value	Unit
Skin forming time	13...15	minute
Curing time	2,5...3	mm/24 h
Density (DIN53 479-B)	0,99 (transparent) 1,26 (coloured)	g/cm ³
Properties of cured sealant		
Movement of the joint (ISO 11600)	±12,5	%
Intensity of microbiological grows (ISO 846)	0+	
Resistance to flow (ISO 7390)	0	mm
Change in volume (ISO 10563)	23...27 (transparent) 18...22 (coloured)	%
Elongation at break (ISO 37)	505...555 (transparent) 375...425 (coloured)	%
Tensile strength (ISO 37)	1,2...1,6 (transparent) 2,3...2,7 (coloured)	N/mm ²
Modulus at 100% elongation (ISO 37)	0,4...0,6 (transparent) 1,0...1,2 (coloured)	N/mm ²
Shore-A hardness	33...37 (transparent) 43...47 (coloured)	
Temperature resistance	-40...+100	°C

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

Technical classification and certificates

- 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)

Colour

Transparent, white.

Package

Plastic cartridge, 12 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.

Limitations

- Not suitable for sealing aquariums and for under-water applications.
- Not paintable.
- Do not use in contact with natural stones such as marble, granite, quartzite as it may cause stains.
- Silicone may discolour in contact with some organic elastomers, e.g. EPDM, APTK and neoprene.

PENOSIL

Brand of  Wolf Group

www.penosil.com

Krimelte OÜ | Wolf Group Head Office
Suur-Paala 10
13619 Tallinn
Estonia

tel +372 605 9300
fax +372 605 9315
info@penosil.com

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).

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.