

TECHNICAL DATASHEET

PENOSIL Premium Universal Silicone

All-purpose acid-curing single-component silicone sealant. Adheres well to metal, glass, glazed surfaces, ceramic tiles, impregnated, varnished or painted wood, painted surfaces and many plastics, e.g. epoxide, polyester, polyacrylate, laminate. Non-sagging, does not spread in the joint. Allows long working periods. Cured silicone is UV proof.

Field of applications

Used in sealing ceramic elements, porcelain and aluminium connections, sealing of window and door frames, ventilation and drainage systems, electric cables and wires.

Product has been tested and is classified accordingly:

Sealant for facade for interior application.

EN 15651-1:2012: Type F-INT: CLASS 12,5E (transparent)

EN 15651-1:2012: Type F-INT: CLASS 12,5P (colours)

Sealant used for sanitary applications.

EN 15651-3:2012: Type S: CLASS S1 (transparent)

EN 15651-3:2012: Type S: CLASS S2 (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. Do not use in contact with fibrous cement and mortar and natural stones such as marble and granite. Do not use in contact with metals such as lead, copper, brass and zinc due to corrosion. Silicone may discolour in contact with some organic elastomers, e.g. EPDM and neoprene. 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 sufficient ventilation during application.

Maximum recommended dimension of the connection 30x20mm. Can be used with reinforcement textile.

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 cloth and water.

Technical data

Properties	Unit	Value
Skin forming time	minute	10-12
Curing time	mm/24 h	2-3
Density (DIN53 479-B)	g/cm ³	0,96 – transparent 1,08 – coloured
Properties of cured sealant		
Movement of the joint, ISO 11600	%	± 12,5
Intensity of microbiological grows, ISO846		1 – transparent 2 – coloured
Resistance to flow, ISO7390	mm	0
Change in volume, ISO10563	%	40 ± 1 – transparent 35 ± 1 – coloured
Elongation at break, ISO37	%	750 ± 25 – transparent 550 ± 25 – coloured
Tensile strength, ISO37	N/mm ²	2,2 ± 0,2 – transparent 2,2 ± 0,2 – coloured
Modulus at 100% elongation, ISO 37	N/mm ²	0,4 ± 0,1 – transparent 0,7 ± 0,1 – coloured
Hardness (Shore A) (ISO 868)		30 ± 2 – transparent 40 ± 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, beige, grey, anthracite, brown, 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

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).