

TECHNICAL DATASHEET

PENOSIL General Silicone

High quality multi - purpose neutral sealant for professional user in different sealing, fixing and repairing works. Very good adhesive and sealing properties, usable as substitute for many sealants. Does not lose volume in the joint. Excellent processing and smoothing properties. Suitable for slightly alkaline, acidic, metal and natural stone. Cured sealant is mould, UV, moisture and weather resistant.

Field of applications

Used in general construction and repair works: interior and exterior works, wet and dry rooms. All finishing, insulation and ventilation works. Installation of ornaments, bands, etc.

Product has been tested and is classified accordingly:

Sealant for facade for interior and exterior application.

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

EN 15651-1:2012: Type F-EXT-INT: CLASS 7,5P (colours)

Sealant used for sanitary applications.

EN 15651-3:2012: Type S: CLASS S1

Application conditions

Application temperature between +5 °C and +45 °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. In case of porous substrates (e.g concrete) a primer should be used.

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.

Technical data

Properties	Unit	Value
Binder (or basis)		Polydimethylsiloxane
Consistency		Paste
Curing system		Moisture curing
Odour		slightly oxime-like
Skin forming time	minute	16-20
Curing time	mm/24 h	2-3
Density	g/cm ³	1,01 – transparent 1,21 – coloured
Properties of cured sealant		
Movement of the joint (ISO 11 600)	%	± 12,5 – transparent ± 7,5 – coloured
Intensity of microbiological grows, ISO846		0+
Resistance to flow, ISO7390	mm	0
Change in volume, ISO10563		6,5±0,5
Elongation at break, ISO37	%	525 ± 25 – transparent 400 ± 25 – coloured
Tensile strength, ISO37	N/mm ²	2,2 ± 0,2 – transparent 2,4 ± 0,2 – coloured
Modulus at 100% elongation, ISO 37	N/mm ²	0,7 ± 0,1 – transparent 0,8 ± 0,1 – coloured
Hardness (Shore A)		34-36
Temperature resistance after curing	°C	-60 up to +180 for short periods up to + 200

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

Colour

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

Package

310 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).