

## TECHNICAL DATASHEET

# PENOSIL Standard Universal Silicone

Acid-curing all-purpose Silicone sealant. Adheres well to aluminium, glass, glazed surfaces, ceramic tiles; treated, varnished or painted wood, painted surfaces; many plastics such as PVC, epoxide, polyesters and laminate. Touch-dries quickly. Non-sagging, does not spread in the joint. Cured sealant is UV proof.

### Field of applications

General construction, sealing and repair works.

Product has been tested and is classified accordingly:

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 natural stones such as marble, granite, fibre, cement and mortar.

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.

### 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 the clean cloth.

**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. Clean the surface with cloth and water.

## Technical data

Properties	Unit	Value
Tack-free time	minute	8-10
Cure time	mm/24 h	2,5-3 – transparent 3,5-4 – coloured
Density	g/cm <sup>3</sup>	0,95 – transparent 1,01 – coloured
<b>Properties of cured sealant</b>		
Intensity of microbiological grows, ISO846		1 – transparent 2 – coloured
Resistance to flow, ISO7390	mm	0
Change in volume, ISO10563	%	50 ± 1
Elongation at break, ISO37	%	840 ± 25 – transparent 700 ± 25 – coloured
Tensile strength, ISO37	N/mm <sup>2</sup>	2,4 ± 0,2 – transparent 2,2 ± 0,2 – coloured
Modulus at 100% elongation, ISO 37	N/mm <sup>2</sup>	0,4 ± 0,1 – transparent 0,5 ± 0,1 – coloured
Indentation hardness A scale (Shore A)		25 ± 2 – transparent 30 ± 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, 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. Cured sealant can be handled without any danger to health. Detailed safety information is available on safety data sheet (SDS).