

TECHNICAL DATASHEET

PENOSIL Premium SilAcryl Exterior & Interior

One-component elasto-plastic siliconized acrylic sealant based on silanized acrylic dispersions. Suitable for interior and exterior applications.

Adheres to many different materials, such as wood, concrete, drywall, PVC, different metals etc.

- High movement capability acrylic ($\pm 12,5\%$).
- Easy tooling.
- Smooth surface.
- Solvent-free, phthalate-free and odourless.
- Great adhesion to many different substrates.
- Cured product can be overpainted.
- Environmental friendly.

Field of applications

Suitable for use in applications where traditional acrylic sealant may fail. Sealing movable indoor and outdoor connection joints between different surfaces before finishing works and painting. Sealing connections between the inner corners of wall and between wall and ceiling surfaces. Suitable for ventilation works (accordance with VDI 6022).

Technical classifications and certificates

Product has been tested and is classified accordingly:

Sealant for facade for interior and exterior application, suitable for 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 XS2

Suitable for use in HVAC systems in accordance with VDI6022, tested in accordance with EN ISO 846.

Application conditions

Application temperature between +5 °C and +40 °C. The product cures by means of desiccation (water evaporation). High humidity, low temperatures and high joint depth can delay skin formation and curing significantly.

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.

Fresh product must be protected from condensed moisture.

It is strongly recommended to cover cured caulk with a suitable paint, varnish, plaster, etc. to guarantee its longevity.

Paintable after the final curing. Curing time depends on the size of the joint. Early painting may cause cracking of the paint.

Cleaning

Uncured sealant, tools and hands can be cleaned with PENOSIL Premium Cleaning Wipes.

Cured sealant can be removed mechanically. Clean the surface with sponge and water.

Technical data

Properties	Unit	Value
Skin forming time	minute	8-10
Density	g/cm ³	1,42
Resistance to flow	mm	0
Properties of cured sealant		
Elongation at break (ISO 37)	%	350
E-Modulus 100% (ISO 37)	N/mm ²	0,32
Tensile strength (ISO 37)	N/mm ²	0,39
Hardness (Shore A)		10
Service temperature	°C	from -30 to +75

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

Colour

White.

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 and protected from direct sunlight at temperatures between +5 °C and +30 °C.

Limitations

It should not be applied on bituminous or tar containing substrates, and to materials that bleed oils or plasticizers. Do not use in damp or wet conditions or if rain is imminent.

It must not be used in contact with untreated metals (oxidation risk).

Not suitable for joints with movement more than 12,5% of the joint width.

The product is compatible with most paint systems. Due to the large number of paints and varnishes available, we strongly suggest a compatibility test before application.

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).