

TECHNICAL DATASHEET

PENOSIL Premium Stucco Fill & Seal

One-component water-based acrylic sealant with a grainy structure, that cures under the evaporation of water. Forms a durable flexible seal and is used for sealing and filling of cracks in rough and stucco surfaces.

Adheres to many different materials, such as concrete, plasterboard, gypsum, wood, etc.

- Grainy-finished surface.
- Easy tooling.
- Water based. Low odor.
- Free of solvents, isocyanate and silicone.
- Good UV-, weather- and ageing resistance.
- Adhesion to most common building substrates.
- Cured product can be overpainted.
- Interior and exterior use

Fields of application

Filling joints and cracks in stucco and rough-finished surfaces, for example walls that are covered with lime-cement plaster or special decorative plasters (e.g. antique plaster). Sealing low movement (until 7,5%) joints with moderate tensile stress.

Not recommended for applications in constant contact with water.

Technical classifications and certificates

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: 7,5P

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.

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 spatula 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. Final curing time depends on ambient conditions and the size of the joint. Early painting may cause cracking of the paint.

Cleaning

Uncured acrylic, tools and hands can be cleaned with PENOSIL Premium Cleaning Wipes.
Cured acrylic should be first removed mechanically and then with a moist cloth.

Technical data

Properties	Unit	Value
Tack-free time	minute	15
Density	g/ml	1,58
Properties of cured sealant:		
Resistance to flow (EN ISO 7390)	mm	0
Shore A hardness, (ISO 868)		approx. 20
Change in volume (EN ISO 10563)	%	<20
Temperature resistance	°C	-30 to +75
Tensile properties		
2mm thickness (ISO 37)		
Elongation at break	%	160
Tensile strength	N/mm ²	1,17
Modulus at 100% elongation	N/mm ²	0,16

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 +25 °C. Avoid freezing and temperatures over +25 °C. Short-term resistance to freezing, max 10 days at temperatures over -18°C

Freeze-thaw resistance 7 cycles at temperatures -18 °C and +23 °C, one cycle lasting 48 hours (24 hours at -18 °C and 24 hours at +23 °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.

Not recommended for applications in constant contact with water.

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

Not suitable for joints with movement more than 7,5% 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.

Cured sealant can't be sanded.

Poor adhesion on glass and some plastics.

Safety regulations

Keep out of the reach of children. Uncured product may irritate eyes and respiratory organs. Avoid contact with mouth. Rinse eyes immediately with water and seek medical help.

Cured sealant can be handled without any danger to health.

Detailed safety information is available on safety data sheet (SDS).