

PENOSIL

TECHNICAL DATA SHEET

Elastic siliconized acrylic

Plasto-elastic siliconized acrylic sealant for quick repairing cracks and joints in facades.

Main benefits

- Remains elastic
- Excellent for vertical joints
- Easy tooling
- Extra smooth surface
- Easy to clean
- Interior and exterior use
- Paintable after curing

Fields of application

- Excellent for applications where regular acrylic may fail.
- Repairing facade joints and cracks.
- For joints with moderate movement ($\pm 12,5\%$).
- Joints between window and wall.
- Joints between door frame and wall.



Colour

White.

Package

5L bucket.
10 L bucket.

Storage conditions and shelf life

Guaranteed shelf life 18 months from the manufacturing date when stored in closed original package in a dry place at temperatures between $+5\text{ }^{\circ}\text{C}$ and $+30\text{ }^{\circ}\text{C}$. Avoid freezing and temperatures over $+30\text{ }^{\circ}\text{C}$.

Short-term resistance to freezing, max 10 days at temperatures over $-18\text{ }^{\circ}\text{C}$.

Freeze-thaw resistance 7 cycles at temperatures $-18\text{ }^{\circ}\text{C}$ and $+23\text{ }^{\circ}\text{C}$, one cycle lasting 48 hours (24 hours at $-18\text{ }^{\circ}\text{C}$ and 24 hours at $+23\text{ }^{\circ}\text{C}$).

Adhering

- Plasterboard
- Concrete
- Glass
- Brick
- Wood
- Ceramics

Technical classifications and certificates

- 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 XS1
- EMICODE® EC 1 Plus - very low emission

Technical data

Properties	Value	Unit
Basis	Acrylic	
Density (DIN 53 479-B)	1.42	g/ml
Tack free time	8 ... 10	min
Intensity of microbiological grows (ISO 846)	1	
Application temperature	+5 ... +40	°C
Service temperature	-30 ... +75	°C
Shore A hardness (ISO 868)	approx. 10	
E-Modulus 100% (ISO 37)	0.32	N/mm ²
Tensile strength (ISO 37)	0.39	N/mm ²
Elongation at break (ISO 37)	>300	%

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

Application instructions

Application conditions

Application temperature between +5°C and +40°C.

Surface preparation

The surfaces must be dry, clean from dust, loose particles and oil. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent excess should be removed before evaporating with a clean cloth.

Application method

The surfaces must be dry, cleaned from dust, loose particles and old sealant. In wider joints, a backer rod should be used to ensure the sealant joint's correct thickness, shape and to avoid three-sided adhesion.

If necessary, the adjacent surfaces of the joint should be protected with masking tape to avoid staining.

Apply sealant in the joint by repeatedly and evenly pressing and tooling the sealant with a jointing knife. After application, smooth the surface with a suitable tool and remove excess material.

Cleaning

Uncured acrylic can be removed with water or with special cleaning wipes.

Cured acrylic should be first removed mechanically and then with a moist cloth.

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.
- Early painting may cause cracking of the paint
- Not suitable for joints with movement more than 12,5% of the joint width.
- Due to the wide variety of possible substrates, we recommend a preliminary compatibility and adherence test. If necessary, prime surfaces to improve adhesion.
- Due to the wide variety of influences during and after application, the customer must always test the product first!
- Please observe the expiration date!

Safety regulations

Ensure sufficient ventilation during application and wear necessary personal protective equipment.

More specific safety information is available on the safety data sheet (SDS).

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice. This TDS replaces and supersedes all previous data sheets on the same product.

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