

TECHNICAL DATA SHEET

PENOSIL ECO Mounting Adhesive 677

Very good initial tack, suitable for interior use, ready-to-use adhesive based on sustainable acrylate dispersion. Suitable for connection of different materials such as wood, unpolished stones, concrete, plasterboard, ceramics, different bricks, polystyrene. When cured, the adhesive is UV and moisture resistant and paintable.

Main benefits

- Sustainable content 71%
- Very good initial tack
- UV and moisture resistant
- Solvent free
- Low odour
- Can be painted with water based paints
- Adheres well to most construction and finishing materials

Fields of application

- Suitable for bonding different construction materials.
- The adhesive is designed for use as a general purpose adhesive and is suitable at construction sites for the installation of wood and plasterboard panels.
- Reinforcement of screw joints and reducing of the number of screws needed.
- Upon finishing works, for the installation of door and floor mouldings and various decorative details.

Adhering

- Wood
- Unpolished stones
- Concrete
- Plasterboard
- Ceramics
- Masonry
- Polystyrene
- Paper, cardboard

Application instructions

Application conditions

Application temperature between +5 °C and +30 °C.

During the curing process of the adhesive, humidity is released. Therefore, rooms should be sufficiently ventilated to reduce the humidity.

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

Cut off the threaded end of the cartridge and screw on the application nozzle for directing adhesive. 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 adhesive, by repeatedly pressing the gun trigger. Apply the adhesive to the surface to be connected and immediately press to the substrate.

Support until product is fully cured. Protect the adhesive against moisture and ensure a good ventilation during the curing period.

Cleaning

Clean the uncured adhesive with water or use PENOSIL Cleaning Wipes. Cured adhesive should be removed mechanically.

Technical data

Properties	Value	Unit
Basis	Acrylic	
Consistency	Paste	
Density (DIN 53 479-B)	1,4	g/ml
Open time	10	min
Curing rate	2...3	mm/24h
Application temperature	+5...+30	°C
Service temperature	-30...+70	°C
Shore A hardness (ISO 868)	70	
Properties of cured sealant		
Cured adhesive shear strength (WGM214)	37	kg/cm ²
Cured adhesive tensile strength (WGM214)	10	kg/cm ²

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Technical classification and certificates

- EMICODE® EC 1 Plus - very low emission

Colour

Beige.

Package

290 ml cartridge, 12 pcs in a box.

400 ml foil package, 28 pcs in a box.

600 ml foil package, 20 pcs in a box.

Storage conditions and shelf life

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.

Short-term cold resistance 10 days at temperatures -18 °C...0 °C.

Limitations

- Not suitable for surfaces in permanent contact with water.
- Do not use for sealing aquariums and underwater joints.
- Elements will have a rigid connection, which is why the adhesion is not suitable for moving connections.
- Test before using on natural stone.
- There is no adhesion to PE, PP, PTFE (Teflon®).
- Due to the wide variety of possible substrates, we recommend a preliminary compatibility test.
- Please observe the expiration date!

Safety regulations

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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.