

TECHNICAL DATASHEET

PENOSIL Premium SpeedFix Acoustic Panel 625

Acrylate dispersion based ready-to-use adhesive with excellent initial adhesion for interior work. This acoustic and decorative panel adhesive bonds instantly and firmly. The product is used for primarily bonding mineral wool panels to walls and ceilings.

Suitable for bonding:

- Mineral wool panels;
- EPS panels;
- XPS panels;
- PUR panels;
- MDF panels;
- PVC panels.

Suitable substrates:

- Gypsum;
- Concrete;
- Masonry;
- Filled surfaces;
- Plastered surfaces;
- Painted surfaces.

Fields of application

Acoustic panels are used for sound absorption. Adhesive bonding is necessary in places where suspending the panels is not an option due to limited ceiling height. It can also be used for appropriate design purposes.

Acoustic insulation panels are used in stairways, offices, atriums, heating and ventilation rooms – wherever there is a need for sound or echo damping. This helps meet noise regulations and achieve an effective work environment.

Finishing and decorative panels are used in offices and households to give rooms a new appearance. In addition to wool panels, the adhesive is also suitable for installing MDF and EPS-based finishing panels. Generally, there is no need for additional support when bonding panels, but this depends mainly on their weight and the method of installation. For assurance purposes, it is recommended to do a trial installation first.

Application conditions

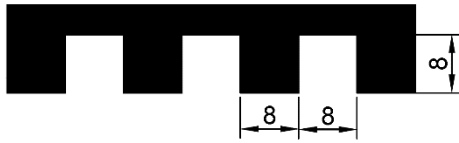
Use at temperatures from +5 °C to +30 °C. To reduce moisture released in the curing process, the rooms require sufficient ventilation. Curing may take longer if both adhesive-covered surfaces are non-porous.

Application instructions

The surfaces to be bonded must be free of grease, oil, dust, and loose particles.

The adhesive is applied to panels in one layer, using ~0.3–0.5 l/m² (amount based on 1,200x600x50, 3.3 kg panel). Depending on the panel's measurements and weight, the applied amount may need to be increased. The adhesive is designed primarily for bonding mineral wool panels to clean, dry substrates: Concrete, cement-based screed, painted surfaces, etc.

It is recommended to use an 8x8x8 mm adhesive comb for applying the adhesive. For lighter and thinner panels, a smaller adhesive comb may be used.



Cleaning

Undried adhesive can be removed with water. Cured adhesive can be removed mechanically.

Technical data

Characteristics	Unit	Value
Working time	minutes	3–5
Skin-forming time	minutes	10
Drying time	mm/24 h	2–3
Density	g/cm ³	1.3
Temperature tolerance when cured	°C	between -30 and +70

The above parameters have been measured under the following conditions: Temperature +23 °C and 50% relative humidity, unless otherwise specified.

Colour

White

Package

10 L bucket

Storage

Guaranteed shelf life: 12 months from date of production when stored in sealed moisture-proof original package in a dry place at temperatures between +5 °C and +30 °C.

Safety

Avoid contact with skin and eyes. If the product gets into your eyes, rinse them with plenty of water immediately and see a doctor. Keep out of reach of children.

For detailed safety information, see product 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.