

## TECHNICAL DATA SHEET

## PENOSIL SpeedFix PU Adhesive 801

Polyurethane adhesive

PENOSIL SpeedFix PU Adhesive 801 is a one component, polyurethane based adhesive. It's solvent-free with a high thixotropic structure which allow users to work with vertical applications. The adhesive is moisture sensitive and cures in contact with ambient humidity as with the one from substrates. PENOSIL SpeedFix PU Adhesive 801 forms a strong, durable and water-resistant connection.

### Main benefits

- Strong, durable and water-resistant.
- D4 moisture resistance class.
- Suitable for vertical applications with an excellent adhesion without primer on most, even damp, substrates.

### Fields of application

- Bonding materials on interior and exterior vertical surfaces.
- Sealing facade joinery and sandwich panels.
- Bonding together different types of materials.
- Bonding finger joints, dovetail joints, mortise and tenon joints.

### Adhering

- Wood
- Metal
- Stone
- Concrete
- Plastic
- PU foam
- Rockwool
- Glass wool



### Colour

Beige.

### Package

300 ml cartridge, 12 pcs in a box.

### Storage conditions and shelf life

Guaranteed storage time 12 months from production date, if stored in a closed original package in a cool and dry place between +5 °C and +30 °C. Frost resistance during transportation up to -15 °C.

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## Technical classifications and certificates

- French VOC class A+ - low emission (Eurofins ISO 16000)
- DIN/EN 204 D4

## Technical data

Properties	Value	Unit
Consistency	PUR monocomponent	
Density (DIN 53 479-B)	1,46	g/ml
Open time	7	min
Application temperature	+5...+40	°C
Service temperature	-30...+70	°C
Initial tack tensile strength (WGM214)	12	MPa
Extrusion rate (4 mm nozzle diameter and 3 bar pressure)	400	g/min

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.

## Application instructions

### Application conditions

Application temperature (applies to environment and substrates): +5 °C to +40 °C. All substrates must be solid, clean, dry, and free of grease and dust. Remove loose particles from surfaces. Always test adhesion prior to application. For proper curing one of the substrates must be porous.

### 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

Apply the adhesive from the cartridge on to one side. Connect the materials to be bonded together within the correct time frame. Prevent any displacement.

Panel applications: apply PENOSIL SpeedFix PU Adhesive 801 in 6 mm beads, 5 cm from the edge and approximately 20 to 40 cm apart. Immediately press the panel firmly to the wall. Some support may be necessary for up to 24 hours.

Battens, skirting and other applications: apply the adhesive equally in dots or stripes of 20 cm apart. The material must be put into place by moving slightly and applying an even pressure. Finally, press firmly.

Due to the large diversity of surfaces, it's recommended to verify adhesions.

### Cleaning

Uncured material and tools can be cleaned by using PENOSIL Foam Cleaner, acetone, Methyl Ethyl Ketone (MEK) solvent or Isopropyl Alcohol (IPA).

Cured material can only be mechanically removed. Hands can be cleaned with PENOSIL Cleaning Wipes.

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## Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.
- Not suitable in combination with chlorides (pools).
- Paintable. Due to the variety of paints and coating systems available on the market, preliminary tests are necessary.
- Due to the wide variety of possible substrates, we recommend a preliminary compatibility test.

## 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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