

PENOSIL

TECHNICAL DATA SHEET

PENOSIL Fast Foam Adhesive 889

Multipurpose strawfoam adhesive

One-component, ready to use polyurethane foam adhesive that cures fast after dispensing. It is used for bonding different substrates in building and construction.

Main benefits

- Replaces traditional cartridge adhesive
- Saves application time
- Strong bond with different substrates
- Fast curing
- Solvent-free
- Low VOC
- Ready to use

Fields of application

- Fixing of insulation boards on facades and foundations
- Fixing of interior design boards
- Fixing of window sills
- Fixing wooden-, plaster and decorative panels
- Strengthening screw connections and reducing screw usage
- Installation of carpentry elements, door and floor fillets
- Fixing plaster decorations



Colour

Light yellow.

Package

Aerosol can 1000 ml, content 750 ml, 12 pcs per box.

Storage conditions and shelf life

Guaranteed shelf life is 12 months from production date if stored in an unopened packaging in a cool and dry place at +5 °C to +30 °C. Do not expose to temperature over +50 °C, do not keep near heat sources or in direct sunlight. Store and transport in vertical position.

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Adhering

- Thermo insulation panels: XPS, EPS, PIR, PUR
- Hard wool
- Concrete
- Bitumen
- Wood
- Gypsum board
- Construction panels
- Bricks
- Blocks
- Ceramic

Technical classifications and certificates

- M1 - low emission & odour
- EMICODE® EC 1 Plus - very low emission
- EOTA TR046- adhesion test
- French VOC class A+

Technical data

Properties	Value	Unit
Tack free time (ETICS TR 46)	2...4	min
Postexpansion (ETICS TR 46)	3,9	mm
Transition time (correction still possible)	6	min
Load time	1	h
Froth density	55...60	kg/m ³
Free foam density (EN 17101:2018)	>25	kg/m ³
Bond strength, dry surfaces, +23°C (ETICS TR 46)	>0,09	MPa
Bond strength, dry surfaces, +30°C (ETICS TR 46)	>0,1	MPa
Shear strength, +23°C (ETICS TR 46)	72	kPa

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.

*Tested according to EOTA TR046 - Test methods for foam adhesives for ETICS.

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Application instructions

Application conditions

Air temperature during use: +5 °C to +30 °C.

Test the sufficiency of adhesion at the place of application if using below +5 °C.

Can temperature during application: +5 °C to +25 °C, best results at +20 °C.

Foam can has to be warmed with water or air (max +30 °C) before starting work in low temperatures.

Surface preparation

Remove dust, loose particles and grease from the surfaces. Moisten dry substrate to ensure better results.

Application method

Shake the can vigorously at least 20 times. Hold the foam can in upright position. Screw the applicator (straw) to the foam can valve. For application, turn the can upside down and press the applicator trigger. Use the applicator trigger to adjust the foam output.

Instructions for gluing insulation boards and interior design boards

Apply the foam adhesive to boards as an even flow parallel with the sides of the board (3-4 cm from the edge) and one strip in the middle, parallel to the longest side (up to 25 cm between adhesive strips). After applying the foam adhesive to the board, press the board to the wall. The boards bonded can be adjusted within up to 2 minutes.

The foam adhesive has sufficient strength for fixing insulation boards. Always follow building design, building regulations, standards or other relevant guidelines concerning additional mechanical fastening when covering insulation boards with cladding materials. Use of insulation support anchors is always recommended. Always test before use.

Fixing of window sills

Before fixing the window sill make sure that the base surface is leveled. Spacers must be used to support the window sill; foam can only be used as an adhesive. Apply foam adhesive to the base surface 3-4 cm from the edge. Weights must be used to fix the window sill until the foam adhesive is cured.

Output of the foam with 2cm stripes is for 750ml approx 10m².

Cleaning

Uncured foam adhesive can be removed with PENOSIL Foam Cleaner. Hands, clothes and foampgun can be cleaned from uncured foam adhesive with PENOSIL Cleaning Wipes. Cured foam adhesive can be removed with mechanical means.

Limitations

- Foam does not adhere to Teflon, polyethylene, polypropylene and silicon surfaces.
- Cured foam is sensitive to UV-light and direct sunlight and therefore must be covered with suitable opaque material.

Safety regulations

Pressurized canister. Use only in well-ventilated areas. Do not smoke during application! Use protective gear when necessary. Keep out of the reach of children. See label and safety data sheet (SDS) for more information.

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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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