

TECHNICAL DATA SHEET

PENOSIL Premium Fast Foam Adhesive 888

Fast-curing ready-to-use polyurethane foam 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
- One more main benefit - test K

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

Blue.

Package

24 oz, 12 pcs in a 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 41 °F to 86 °F. Do not expose to temperature over 122 °F, 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 (EN 17333-3)	2...3	min
Cutting time (30 mm bead, EN 17333-3)	20	min
Correction Time	1...2	min
Load Time	1	h
Temperature resistance of cured foam adhesive	-50...+90	°C
Fire class of cured foam adhesive (DIN 4102-1)	B3	
Thermal conductivity (EN 12667, EN 17333-5)	0,034	W/(m·K)
Sound reduction index R _{st,w} (EN ISO 10140)	62	dB
Post expansion (8mm joint)*	3,3	mm
Shear strength (8 mm)*	<24	kPa
Bond strength (8 mm)*	0,08	MPa
Bond strength (8 mm, at temp +5 °C)*	0,08	MPa

The values specified were obtained at 73 °F 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. 23

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Application instructions

Application conditions

Air temperature during use: 41 °F to 86 °F, best results at 68 °F.

Can temperature during application: 41 °F to 77 °F, best results at 68 °F.

Foam can has to be warmed with water or air (max. 86 °F) 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

Application with foam gun: shake the can vigorously at least 20 times. Hold the foam can in upright position, turn the gun to the can by holding the gun handle with one hand, and turn the can with the other hand. Make sure that the gun is not pointed at other persons when turning it. The can must not be screwed to the gun with the valve upside down or by turning the gun on the can. The foam output can be adjusted by the gun trigger.

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 (1.2-1.6 in from the edge) and one strip in the middle, parallel to the longest side (up to 9.8 in between adhesive strips). After applying the foam adhesive to the board wait 2-3 min and then press the board to the wall. The level of installed boards can be adjusted within up to 5 minutes. Output when fixing insulation boards is 86 sq. ft of wall surface.

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.

In general it is not recommended to use this product on bituminous surfaces. In some cases, e.g. fixing insulation boards on bitumen treated foundations before backfilling, the product has sufficient adhesion. 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 1.2-1.6 in from the edge. Weights must be used to fix the window sill until the foam adhesive is cured.

Output of the foam:

Filling	Yield
28 oz	129 ft²
25 oz	108 ft²
23 oz	86 ft²

Cleaning

Uncured foam adhesive can be removed with PENOSIL Foam Cleaner. Hands, clothes and foamgun 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 and silicon surfaces.
- Cured foam is sensitive to UV-light and direct sunlight and therefore must be covered with suitable opaque material.

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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.

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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