PENOSIL
We save energy / Wolf Group

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TECHNICAL DATA SHEET

PENOSIL Fast Foam Adhesive 888

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

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.

Adhering

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

Application instructions

Application conditions
Air temperature during use: +5 °C to +30 °C.
Best results starting from +5 °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, 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.

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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. Output (for 830 ml) when fixing insulation boards is up to 12 m2 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.
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.

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Cleaning
Use PENOSIL Foam Cleaner to clean tools and surfaces from uncured foam. Hands and clothes can also be cleaned from uncured foam with PENOSIL Cleaning Wipes. Cured foam adhesive with mechanical means.

Technical data

Properties	Value	Unit
Tack free time (EN 17333-3)	2…3	min
Cutting time (30 mm bead, EN 17333-3)	20	min
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 Rst,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
Correction time	up to 2	min
Load time	1	h

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.

Technical classification and certificates

- M1 - low emission & odour.
- EMICODE® EC 1 Plus - very low emission.

Colour

Blue.

Package

1000 ml aerosol can, content 830 ml, 12 pcs in a box.

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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.

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.

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.