

Fixing of window sills

Before fixing the window sill make sure that the base surface is levelled. 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.

Gluing of construction blocks

Foam adhesive can be used for non-bearing interior walls. Consult a sales agent, a dealer or an architect regarding compatibility with various stone-based materials and other technical issues.

First row of blocks must be well levelled using mortar.

Substrate should be moistened as the foam cures due to moisture. A moistened surface ensures better results.

Foam adhesive should be applied to both vertical and horizontal surfaces. Wait for a few minutes after applying the foam adhesive and then press the stone surfaces together.

Foam adhesive can be used only in case even distribution of loads from block to block is ensured. Not suitable for distributing or carrying loads.

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. Remove cured foam mechanically after softening with Penosil Foam Remover.

Technical data

Properties	Value	Unit
Tack free time (EN 17333-3)	5...10	min
Cutting time (30 mm bead, EN 17333-3)	<30	Min
Post expansion (EN 17333-2)	<1,5	%
Dimensional stability (EN 17333-2, moistened surfaces)	<1	%
Temperature resistance of cured foam adhesive	-50...+90	°C
Fire class of cured foam adhesive (DIN 4102-1)	B2	
Thermal conductivity (EN 12667, EN 17333-5)	0,034	W/(m·K)
Sound reduction index Rst,w (EN ISO 10140)	62	dB
Shear strength (8 mm)*	>47	kPa
Bond strength (8 mm)*	0,12	MPa
Bond strength (8 mm, at temp +5 °C)*	0,10	MPa
Bond strength (8 mm, at temp -5 °C)*	0,08	MPa
Average shear strength in masonry**	>0,43	MPa
Average compression strength in masonry**	>2,6	MPa

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.

** Tested with autoclaved aerated concrete blocks. All tested specimens broke from the block.

Technical classification and certificates

- DIN 4102-1 B2 - reaction to fire test.
- EOTA TR046- adhesion test.
- EMICODE® EC 1 Plus - very low emission.
- M1 - low emission & odour.
- French VOC class A+.

Colour

Grey

PENOSIL

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Package

1000 ml aerosol can, content 750 ml, 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 +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.