

# SealPrem Construction Foam Adhesive

## Product Description

Universal foam adhesive for various construction works indoors and outdoors. Usable all year around ensuring good results at temperatures from -5°C up to +30°C. Foam adhesive has great gluing and thermal insulation properties, low curing pressure and low post expansion. Adheres well to most materials like polystyrene, plasterboards, OSB, chipboard, wood, concrete, stone, metal and PVC.

## Features

- Great gluing properties
- Suitable for all season use, from -5°C up to +30°C
- Low curing pressure and post expansion
- Filling and insulating narrow joints
- For thermal and sound insulation
- Works in all weather conditions
- Strong structure

## Typical Applications

- Fixing of insulation boards on facades and foundations
- Adhering and installing SIP boards
- Fixing of interior design boards
- Fixing of window sills
- Gluing of construction blocks
- Reducing the impact of thermal bridges

	Value
Tack free time (EN 17333-3)	5-10min
Cutting time (30 mm bead, EN 17333-3)	<30min
Post expansion (EN 17333-2)	<1.5%
Dimensional stability (EN 17333-2, moistened surfaces)	<1%
Temperature resistance of cured foam adhesive	-50°C to +90°C
Fire class of cured foam adhesive (DIN 4102-1)	B2dB
Thermal conductivity (EN 12667, EN 17333-5)	0.034W/(m·K)
Sound reduction index R <sub>st,w</sub> (EN ISO 10140)	62dB
Shear strength (8 mm)*	>47kPa
Bond strength (8 mm)*	0.12MPa
Bond strength (8 mm, at temp +5 °C)*	0.10MPa
Bond strength (8 mm, at temp -5 °C)*	0.08mPa
Average shear strength in masonry**	>0.43MPa
Average compression strength in masonry**	>2.6MPa

### Premier Sealant Systems Ltd.

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Registered in Cardiff No. 3000843

Colour	Grey
Package	1000 ml aerosol can, content 750 ml,

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.

## Application Instructions

Application conditions:

Air temperature during use: -5°C to +30°C, best results at +20°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:

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 (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 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 (for 750 ml) when fixing insulation boards is 10 m<sup>2</sup> 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 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 Foam Cleaner to clean tools and surfaces from uncured foam. Hands and clothes can also be cleaned from uncured foam with Cleaning Wipes. Remove cured foam mechanically after softening with Foam Remover.

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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
- Please observe the expiration date!

## 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+

## 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.

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. May 2024

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