

ARBOBOND^{PRO}

B2 Adhesive Foam

MULTI-USE ADHESIVE FOAM

ARBOBOND Pro B2 Adhesive Foam is ideal for various construction works both indoors and outdoors. Usable all year around ensuring good results at temperatures from -5 up to + 30 °C. Excellent gluing and thermal insulation properties, low curing pressure and low post expansion. Adheres well to most construction materials.

Main Applications

ARBOBOND Pro B2 Adhesive Foam is suitable for fixing of insulation boards on facades and foundations, adhering and installing SIP boards, fixing of interior design boards, fixing of windowsills, gluing of construction blocks, reducing the impact of thermal bridges.

Bonds many construction materials including polystyrene, plasterboard, OSB, chipboard, timber, concrete, stone, metal and PVC

Key Performance Attributes

- Excellent adhesion to many surfaces
- Suitable for all season use, from -5°C up to +30°C
- Low curing pressure and post expansion
- For filling and insulating narrow joints

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

Surface preparation

Surfaces must be clean from dust, loose particles and grease.
Moisten dry substrate to ensure better results.



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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.

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 m² of wall surface.
- ARBOBOND Pro B2 Adhesive Foam 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 windowsills:

Before fixing the windowsill make sure that the base surface is levelled. Spacers must be used to support the windowsill; foam can only be used as an adhesive. Apply ARBOBOND Pro B2 Adhesive Foam to the base surface 3–4 cm from the edge. Weights must be used to fix the windowsill until the foam adhesive is cured.

Gluing of construction blocks:

- ARBOBOND Pro B2 Adhesive Foam can be used for non-bearing interior walls. Consult ARBO Technical Services regarding compatibility with various stone-based materials and other technical issues.
- First row of blocks must be levelled using mortar. Substrate should be moistened as the foam cures due to moisture. A moistened surface ensures better results.
- ARBOBOND Pro B2 Adhesive Foam 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.
- Ensure block to block loads are evenly distributed. Not suitable for distributing or carrying loads.

Cleaning

Uncured foam can be removed with acetone, cured foam can be removed mechanically.

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Technical data

Properties	Value	Unit
Tack free time (EN 17333-3)	6-8	min
Cutting time (30 mm bead, EN 17333-3)	<30	min
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)	0.033	W / (m·K)
Sound reduction index R _{st,w} (EN ISO 10140)	62	dB
Post expansion (8mm joint)*	> 1.5	mm
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
Correction time	7	min
Load time	2	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.

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

Both the information and the product descriptions contained in this publication have been compiled to the best of our knowledge and belief based on our prior experiences and tests. Claims for compensation may not be derived from the same. We reserve the right to make improvements to our product range, in accordance with our high standards in relation to technical advancement and the progression of quality.

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