

ARBOPROTECT^{PRO}

B2 Elastic Airtight Foam

MULTI-USE FOAM, FLEXIBLE AND AIRTIGHT

ARBOPROTECT Pro B2 Elastic Air-Tight Foam is a one-component, ready to use polyurethane gunfoam for various building applications.. Ensures good results all year around. Near-zero curing pressure and low post expansion avoid deformation of building elements. Adheres well to most typical construction materials.

Main Applications

ARBOPROTECT Pro B2 Elastic Air-Tight Foam is suitable for the installation of window and door frames, sealing and connection of joints (incl. movable or pressure-sensitive joints), insulation of penetrations, sealing of thermal and acoustic insulation boards and reducing the impact of thermal bridges

Application Instructions

Application conditions

- Air temperature during use: -5 °C to +30 °C. Make sure the ambient temperature stays within this range until the foam has fully cured.
- Can temperature during application: +5 °C to +25 °C, best results at +20 °C.
- 6 hours prior to use to obtain maximum volume output and optimal physical and mechanical properties.



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Surface preparation

- Remove dust, loose particles, ice and oil stains from the surfaces. Moisten dry substrate (only at temperatures above zero) to ensure better results.
- Protect adjacent surfaces with paper, plastic film or other suitable material.
- If needed add additional shield outside for weather protection (against rain, snow, wind, etc.).

Application method

- Shake the can vigorously at least 20 times. Remove the cap. Hold the foam can in upright position with valve up. Screw the can tightly to the gun by holding the gun handle with one hand and turning the can with the other hand. Do not aim the gun at people. Avoid screwing the can to the gun with valve upside down. Do not screw the gun to the can. Do not bend or turn the can during screwing. Hold the can upside down when extruding the foam. Foam output can be adjusted with gun trigger and adjustment screw. Fill joints up to approx. 70%, as the foam expands.
- In case of larger joints apply foam in several layers and moisten slightly between each layer to ensure better results.
- Excess foam can be cut after it has fully cured.

Cleaning

Uncured foam can be removed with acetone. Cured foam can be removed mechanically.

Curing time

| Temperature (°C) | Time (hours) |
|------------------|--------------|
| +20 | 8 |
| +5 | 12 |
| -5 | 24 |

Packaging

750ml can, 12 per box

Storage conditions and shelf life

- 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 upright position. Secure cans before transport.

Limitations

- Will not adhere to Teflon, polyethylene, polypropylene and silicone surfaces.
- It is not advisable to unscrew the gun from the foam canister intermittently. Foam should be used in a way that the gun is screwed on once.
- Cured foam is sensitive to UV-light and direct sunlight and therefore must be covered with suitable opaque sealant, filler, paint or other material.
- Do not cover before foam has fully cured.

Health & safety

- Pressurized canister.
- Use only in well-ventilated areas.
- Do not smoke during application
- Use PPE when necessary.
- Keep out of the reach of children.
- See label and safety data sheet (SDS) for more information.

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Technical data

| Properties | Value | Unit |
|--|-----------|--|
| Tack free time (EN 17333-3) | 6...10 | min |
| Cutting time (30 mm bead, EN 17333-3) | <30 | min |
| Fully cured in joint, 3x5cm (+23 °C) | <8 | h |
| Curing pressure (EN 17333-2, moistened surfaces) | <0,7 | kPa |
| Post expansion (EN 17333-2) | <60 | % |
| Density in joint, 3x10cm (WGM106) | 17...22 | kg/m ³ |
| Dimensional stability (EN 17333-2, moistened surfaces) | <1 | % |
| Temperature resistance of cured foam | -50...+90 | °C |
| Fire class of cured foam (DIN 4102-1) | B2 | |
| Tensile strength / elongation (EN 17333-4, moistened surfaces) | >55/20 | kPa / % |
| Compression strength (EN 17333-4, moistened surfaces) | >12 | kPa |
| Shear strength (EN 17333-4, moistened surfaces) | > 30 | kPa |
| Thermal conductivity (EN 12667, EN 17333-5) | 0.033 | W/(m·K) |
| Sound reduction index R _{st,w} (EN ISO 10140) | 63 | dB |
| Water vapour permeability (EN 12086) | 0.086 | mg/(m.h.Pa) |
| Air permeability (DIN 18542, EN 12114) | a>0,1 | m ³ /[h.m (daPa) ² /3] |
| Movement capability (WGM113) | ±12,5 | % |
| Foam yield in joint, 3x5 cm (WGM107), per 750 ml filling rate | 15 | m |
| Foam yield (EN 17333-1), per 750 ml filling rate | 43 | l |

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.

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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