

ARBOSEAL^{PRO}

B3 Gap Filling Foam Hand Held

MULTI-USE FOAM, GOOD ADHESION TO MOST BUILDING MATERIALS

ARBOSEAL Pro B3 Gap Filling Foam Hand Held is a one-component, ready to use polyurethane straw foam for various building applications, such as filling of holes, installation of window and door frames, sealing of joints and penetrations and thermal and acoustic insulating. The foam has good volume expansion for effective filling. Low curing pressure avoids deformation of building elements. Foam does not shrink after curing keeping the risk of deformation of joints and separation from the surface is minimal.

Adheres well to most materials like wood, concrete, stone, plaster, metal, PVC and polystyrene.

Application

ARBOSEAL Pro B3 Gap Filling Foam Hand Held is suitable for general filling and sealing holes, insulation of penetrations, installation of window and door frames, sealing of thermal and acoustic insulation boards, sealing and connection of joints reducing the impact of thermal bridges.

Key Performance Attributes

- Good volume expansion for effective filling
- Low curing pressure avoids deformation of building elements
- No shrinkage
- High thermal and acoustic insulation value

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.



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Surface preparation

- Remove dust, loose particles and oil stains from the surfaces.
- Moisten dry substrate 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, wind, etc.).

Application method

- Shake the can vigorously at least 20 times.
- Remove the cap.
- Hold the can in upright position with valve up.
- Screw the straw applicator tightly to the foam can valve.
- Hold the can upside down when extruding the foam.
- Foam output can be adjusted with the applicator trigger.
- Fill joints up to approx. 50%, as the foam expands.
- In case of larger joints apply foam in several layers and moisten slightly between each layer to ensure better results.

Cleaning

Excess foam can be cut after it has fully cured.

Technical data

Properties	Value	Unit
Tack free time (EN 17333-3)	8-12	min
Cutting time (30 mm bead, EN 17333-3)	<60	min
Fully cured in joint, 3x5cm (+23 °C)	<16	h
Curing pressure (EN 17333-2, moistened surfaces)	<1.5	kPa
Post expansion (EN 17333-2)	<150	%
Density in joint, 3x10cm (WGM106)	21-25	kg/m³
Dimensional stability (EN 17333-2, moistened surfaces)	<2	%
Temperature resistance of cured foam	-50+90	°C
Reaction to fire classification (EN 13501-1)	F	
Fire class of cured foam (DIN 4102-1)	B3	
Tensile strength / elongation (EN 17333-4, moistened surfaces)	>30/8	kPa / %
Compression strength (EN 17333-4, moistened surfaces)	>10	kPa
Shear strength (EN 17333-4, moistened surfaces)	> 35	kPa
Thermal conductivity (EN 12667, EN 17333-5)	0.033	W/(m·K)
Sound reduction index R _{st,w} (EN ISO 10140)	62	dB
Water vapour permeability (EN 12086)	<0.04	mg/(m.h.Pa)
Foam yield in joint, 3x5 cm (WGM107), per 750 ml filling rate	9	m
Foam yield (EN 17333-1), per 750 ml filling rate	28	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.



CARLISLE® Adshead Ratcliffe & Co. Ltd

United Kingdom Derbyshire T +44 (0)1773 826661
Derby Road | Belper DE56 1WJ E info.arbo@ccm-europe.com www.arbo.co.uk

