



Idealseal PU Hand Held Foam

A premium grade, easy to use, gun applied expanding foam for filling, fixing, insulating and backing.



Description

Idealseal PU Hand Held Foam is a high specification, multi-use, polyurethane based expanding foam. It has been formulated to combine high insulation, thermal and acoustic value with very good adhesion to the majority of surfaces

Uses

Idealseal PU Hand Held Foam is suitable for filling, fixing, insulating and backing applications in the general construction industry. Applications include: filling large irregular or awkward gaps; fixing window frames, loose tiles and boards; insulating between brickwork and cladding, around ductwork and through cavities carrying pipes and cables; and as a backing material in all types of sealant applications. Idealseal PU Hand Held Foam is compatible with wood, brick, concrete, masonry, metal and most plastics.

Technical Detail

Base		Polyurethane
Application temperature		+ 5°C to +35°C
Closed cells		± 70%
Curing time		80-100 minutes
Cutting time	EN 17333-3	20-40 minutes
Density		18-25 kg/m ³
Dimensional stability	EN 17333-2	-5% < DS < 0%
Fire behaviour	DIN 4102-1	B3
Joint sound insulation		62 dB
Tack free time	EN 17333-3	8-12 minutes
Temperature resistance		- 40°C to +90°C
Thermal conductivity		30-35 Mw/m.K
Total foam yield	EN17333-1	750 ml = 42-48 litres

Colour

Green

Packaging

750ml x 12

Application

Surfaces must be clean and dust, grease and oil free. It is important to moisten surfaces slightly before use to improve adhesion and finished cell structure of the foam.

Shake the can intensively at least 30 times prior to use. Remove cap and screw the adapter firmly onto the valve. Turn the can upside down and press the adapter to apply.

Filling: Half fill the cavity and lightly spray the foam with water. The foam will expand to fill the rest.

Fixing: When fixing window frames use wedges to hold the frame in place until the foam is fully cured - approximately 24 hours.

Limitations

Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous surfaces. Not suitable for permanent water load.

Paintability

Can be painted or covered with sealant/plaster when fully cured.

Cleaning

Fresh foam can be removed immediately with PU Foam Cleaner. After curing surplus foam can be removed with a knife or spatula and foam surface can be finished

Shelf Life

If kept in unopened original packaging between +5°C and +25°C and stored in a dry place, shelf life up to 24 months from production date stated on the can. Store the canisters in an upright position.

Certifications

ISO 717-1 Joint Sound Insulation Feica TM1011 Compression Strength Feica TM1012 Shear Strength Feica TM1018 Tensile Strength EN 1609 Water vapour partial immersion EN 12086 Water vapour transmission EN 12667 Thermal Performance DIN 12354-3 Joint Sound Insulation VOC emissions ISO 16000 EMICODE EC1 Plus – very low emission
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Health and Safety

Safety data sheet (MSDS) must be read and understood before use of the product this is available on request and via www.ideal Sealants.com.

Liability

The information given is the result of our tests and experience and is believed to be accurate and reliable. However as Ideal Sealants Limited cannot know all the uses its products may be put to, and as application methods are out of our control it is the user's responsibility to determine suitability of use.

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