

## EVERBUILD FIREFOAM B1

### DESCRIPTION

EVERBUILD FIREFOAM B1 is a quick setting one part polyurethane foam with fire retardant properties. The foam expands on application to up to 50 times its original volume and meets the extremely stringent requirements of DIN 4102 Part 1 for Construction Materials; Class B and BS476 Part 20 (1987) where fire ratings of 30 mins to 3.5 hours are achievable. Copies of the independent test certificates are available on request.

Once cured, the foam can be cut, sawn or plastered over after only one hour providing the working temperatures (can and surfaces) are between +5 to +25°C, ideally 20°C.

### BENEFITS

- High degree of fire rating: slows down the passage of flames and smoke.
- Quick setting - can be cut, sawn or plastered in 1 hour.
- Economical in use - expands up to 50 times its original volume.
- Fills irregular and broad gaps where most conventional fillers would fail.
- Possesses insulating and sound deadening properties.

### AREAS FOR USE

#### Filling

- gaps around pipe entries through fire rated walls
- To provide a fire rated seal around window and door frames
- electrical wire chasing prior to plastering, where a fire rating is required.
- deep joints prior to applying sealant or plaster
- irregular gaps in stone, brick, concrete or plaster

#### Fixing

- door frames
- timber structures
- Windowsills and thresholds.
- Window frames

#### Insulating

- behind cladding to exterior walls.
- behind soffit and barge boards
- In automotive applications.

When used as part of a fire rated joint, use in conjunction with EVERFLEX FIREMATE intumescent sealant for maximum fire rating.

#### **LIMITATIONS**

- Carefully read instructions and text in warning box before use.
- Do not over pressurize container.
- Always apply above 5°C.
- Clean spills immediately with EVERFLEX FOAM CLEANER.

#### **SURFACE PREPARATION**

Ensure all surfaces are clean, sound and free from dust and loose particles. *Moisten surfaces* to be sealed with water. This assists the curing process.

#### **APPLICATION**

**ALWAYS WEAR PROTECTIVE GLOVES.**

Shake can well before use (about 20 times).

Carefully fix nozzle. Do not overtighten or force.

**ALWAYS USE CAN UPSIDE DOWN..**

Only partially fill cavities, as the foam will expand to fill the remaining space. Any excess foam can be removed whilst still wet with EVERFLEX FOAM CLEANER. Cured foam must be removed mechanically. Always remove nozzle from can and clean immediately after use with EVERFLEX FOAM CLEANER. When used for fixing doorframes, supports must be used until the foam is fully cured.

<b>SPECIFIC DATA</b>
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YIELD	approx. 37 litres (750ml can)
RAW DENSITY	37kg/m <sup>3</sup> (confined space)
CELL STRUCTURE	Medium fine
TACK FREE	Approx. 8 minutes
CUTTABLE	20 min to 1 hour depending on bead Dimensions.
FULL LOAD BEARING STABILITY	App, 12 hours (20mm bead)
WORKING TEMPS	5°C - 25°C.
TENSILE STRENGTH	18N/cm <sup>2</sup> (DIN 53455)
ELONGATION AT TENSION	30% (DIN 53455)
SHEAR STRENGTH	8N/cm <sup>2</sup> (DIN 53422))
FLEXURAL STRENGTH	20N/cm <sup>2</sup> (DIN 53423)
COMPRESSIVE STRENGTH	5N/cm <sup>2</sup> (DIN 53421) at 10% stress.
WATER ABSORPTION	0.3 Vol % (DIN 53428)
THERMAL CONDUCTIVITY	0.04 W/Mk (DIN 52612)
TEMP RES. OF CURED BEAD	Long Term: -40 - +100°C Short Term: -40 - +130°C
BUILDING MATERIAL CLASS	B1 (DIN 4102, Part 1). BS476 Part 20 (1987)

## **HEALTH AND SAFETY**

Handle container with care. Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation. May form flammable/explosive mixtures with air. Do not breathe vapour/spray. Use only in well ventilated areas. Keep out of reach of children. During use, keep away from sources of ignition. No smoking. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable gloves/eye/face protection. If swallowed, seek medical advice and show this container label. In case of accident or if you feel unwell, seek medical advice immediately (show container label).  
Contains Isocyanate. See information supplied by manufacturer.

## **STORAGE**

Store upright between 25 and 25°C Pressurized container. Protect from sunlight and do not expose to temperatures above 50°C. Do not pierce or burn the can even after use.

## **SHELF LIFE**

12 months in original containers.