

## PRODUCT DATA SHEET

# EVERBUILD® B2 Gun Grade Fire Foam

Quick-setting gun grade fire-rated foam

### PRODUCT DESCRIPTION

EVERBUILD® B2 Gun Grade Fire Foam is a quick-setting one-part polyurethane foam with fire resistance properties. The foam expands on application 1.5 - 2 times its original volume. 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 °C to +25 °C, ideally 20 °C.

### USES

#### Filling

- Gaps around window and door frames
- 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

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

### PRODUCT INFORMATION

Chemical Base	Polyurethane
Packaging	750 ml pressurized cannister
Colour	Pink
Shelf Life	12 months in original containers at stated storage temperatures.
Storage Conditions	Store upright between 20 °C 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. Store as flammable liquid. Note: Elevated temperatures will reduce shelf life dramatically.

### CHARACTERISTICS / ADVANTAGES

- High degree of fire rating: slows down the passage of flames and smoke in comparison to standard B3 grades
- Quick setting - can be cut, sawn or plastered in 1 hour.
- Economical in use - expands up to 50 times its original can volume.
- Fills irregular and broad gaps where most conventional fillers would fail.
- Possesses insulating and sound deadening properties.

Expansion	40 litres (750 ml can)
Cell Structure	Medium Fine

### APPROVALS / STANDARDS

Fire rated up to 2 hours in certain joint configurations based on EN1366-4. Copies of the independent test certificate, Warrington fire report available on request.

<b>Compressive Strength</b>	4 N/cm <sup>2</sup> (DIN 53421) at 10 % stress.
<b>Tensile Strength</b>	7 N/cm <sup>2</sup> (DIN 53430)
<b>Shear Strength</b>	5 N/cm <sup>2</sup> (DIN 53427)
<b>Service Temperature</b>	Long Term -40 °C to +80 °C
<b>Ambient Air Temperature</b>	5 °C - 30 °C (optimum 20 °C)
<b>Curing Time</b>	App, 12 hours (20 mm bead)
<b>Cutting Time</b>	20 mins to 1 hour depending on bead dimensions.
<b>Tack Free Time</b>	Approx. 8 minutes

## VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

- Carefully read instructions and text in warning box before use.
- Do not over-pressurize container.
- Always apply above 5 °C.
- It is essential that in fire rated penetrations the foam is capped with fire rated mastic such as Firemate or Fire Sealant 300.
- For highest joint fire ratings cap with fire rated mastic.
- Clean spills immediately with EVERBUILD® FOAM CLEANER.

## ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards

**REGULATION (EC) NO 1907/2006 - REACH**

**DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC**

## APPLICATION INSTRUCTIONS

### SUBSTRATE 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 METHOD / TOOLS

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 EVERBUILD® FOAM CLEANER. Cured foam must be removed mechanically. Always clean guns immediately after use with EVERBUILD® FOAM CLEANER, cans may be left attached to the gun between jobs. When used for fixing

doorframes, supports must be used until the foam is fully cured.

Cap all penetration seals with fire rated mastic such as Firemate or Fire Sealant 300. For highest fire rating on joint also cap with fire rated mastic.

### **Please note:**

When transported in cars, keep in boot, out of direct sunlight.

When removing cured foam from skin, take care not to damage with abrasives.

Grease skin with body lotion or similar.

**IMPORTANT – Re-use is only possible by cleaning the nozzle and valve tip with EVERBUILD® DUAL PURPOSE FOAM CLEANER before the foam has cured. Do not push any object into the valve as the contents may explode.**

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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