

PRODUCT DATA SHEET

EVERBUILD® B1 Handheld Fire Foam

A QUICK-SETTING, FIRE-RATED, HANDHELD FOAM

PRODUCT DESCRIPTION

EVERBUILD® B1 Handheld Fire Foam 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 test criteria BS476 Part 20; Class B1. Fire rated up to 4 hours in certain joint configurations. Once cured, the foam can be cut, sawn or plastered over after approximately one hour.

USES

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

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

CHARACTERISTICS / ADVANTAGES

- 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 aerosol volume
- Fills irregular and broad gaps where most conventional fillers would fail
- Possesses insulating and sound deadening properties

Expansion	40 litres (750ml can)
Cell structure	Medium fine
Elongation at tension	25% (DIN 53430)

APPROVALS / STANDARDS

Meets the requirements of DIN 4102 Part 1 for Construction Materials; BS476 Part 20 Class B1. Copies of the independent test certificates are available on request. Warrington fire report number 160899 and 151680 (for use with stud partition walls and cables).

PRODUCT INFORMATION

Packaging	750ml aerosol
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. Store as flammable liquid.

Note: Elevated temperatures will reduce shelf life dramatically.

TECHNICAL INFORMATION

Compressive Strength	4N/cm ² (DIN 53421) at 10% stress.
Tensile Strength	8N/cm ² (DIN 53430)
Shear Strength	5N/cm ² (DIN 53427)
Water Absorption	0.3 Vol % (DIN 53433)
Thermal Conductivity	0.04 W/mK (DIN 52612)
Service Temperature	Cured: -40°C to +80°C

APPLICATION INFORMATION

Ambient Air Temperature	5°C to 30°C (optimum 20°C)
Cutting Time	13-14 mins 20mm bead
Tack Free Time	7-9 minutes

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 (1.5 - 2 times) to fill the remaining space. Any excess foam can be removed whilst still wet with EVERBUILD® DUAL PURPOSE FOAM CLEANER. When used for fixing doorframes, supports must be used until the foam is fully cured.

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.

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.

CLEANING OF TOOLS

Cured foam must be removed mechanically. Always remove nozzle from can/gun and clean immediately after use with EVERBUILD® DUAL PURPOSE FOAM CLEANER.

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 EVERBUILD® DUAL PURPOSE FOAM CLEANER.

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.

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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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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