

## PRODUCT DATA SHEET

# EVERBUILD® Gun Grade Expanding Foam

### QUICK SETTING POLYURETHANE BASED FOAM

#### PRODUCT DESCRIPTION

EVERBUILD® Gun Grade Expanding Foam is a quick setting polyurethane based foam which expands greatly on application and yields up to 50 times original can contents. Can be cut, sawn, plastered and sealed over after approximately one hour. Fills irregular gaps, fixes framework, insulates and sound deadens. Designed for professional use in conjunction with Gun Foam Applicators.

#### USES

##### Filling

- Gaps around pipe entries through walls.
- Gaps around window frames, door frames.
- Electrical wire chasing prior to plastering
- Deep joints prior to applying sealant or plaster
- Irregular gaps in stone, brick, concrete or plaster

##### Fixing

- Door frames
- Timber structures
- Window sills and thresholds.
- Window frames

##### Insulating

- Behind cladding to exterior walls.
- Behind soffit and barge boards

#### CHARACTERISTICS / ADVANTAGES

- 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.

<b>Expansion</b>	37 litres (750ml can)
<b>Cell Structure</b>	Medium fine
<b>Temp Res Of Cured Bead</b>	Long Term: -40 to +80°C Short Term: -40 to +100°C
<b>Full Load Bearing Stability</b>	App, 12 hours (20mm bead)

#### APPROVALS / STANDARDS

Building Material Class - B3

#### PRODUCT INFORMATION

<b>Packaging</b>	750ml tin
<b>Shelf Life</b>	12 months in original containers at stated storage temperatures.
<b>Storage Conditions</b>	Store upright between 15°C and 20°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.

## TECHNICAL INFORMATION

<b>Compressive Strength</b>	5N/cm <sup>2</sup> (DIN 53421) at 10% stress.
<b>Tensile Strength</b>	18N/cm <sup>2</sup> (DIN 53455)
<b>Elongation at Break</b>	Elongation At Tension - 30% (DIN 53455)
<b>Shear Strength</b>	8N/cm <sup>2</sup> (DIN 53422)
<b>Dimensional Stability</b>	Full Load Bearing Stability - App, 12 hours (20mm bead)
<b>Thermal Resistance</b>	Thermal Conductivity - 0.04 W/Mk (DIN 52612)
<b>Water Absorption</b>	0.3 Vol % (DIN 53428)

## APPLICATION INFORMATION

<b>Ambient Air Temperature</b>	5°C to 25°C. (Optimum 20°C)
<b>Cutting Time</b>	20 mins to 1 hour depending on bead dimensions.
<b>Tack Free Time</b>	Approx. 8 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. For EVERBUILD® Gun Grade Expanding Foam, tighten securely into one of our range of guns.  
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. When used for fixing door frames, 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.

### 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® FOAM CLEANER.
- When using EVERBUILD® Gun Grade Expanding Foam, always clean the gun thoroughly with EVERBUILD® FOAM CLEANER until the jet is clear of foam.

Leave the canister attached until the gun is to be used again

- When using, always remove nozzle from can and clean immediately after use with EVERBUILD® FOAM CLEANER
- For fire rated joints, use EVERBUILD® FIREFOAM B1 in conjunction with EVERBUILD® FIREMATE® intumescent sealant.
- Once cured, dry foam must be removed mechanically. No solvent will remove the product

### 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

Consult MSDS for full list of hazards

### 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 recom-

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