

## PRODUCT DATA SHEET

# Sika Boom® Gun Grade Expanding Foam

Fix and fill gun grade multipurpose polyurethane expanding foam.

### PRODUCT DESCRIPTION

Sika Boom® Gun Grade Expanding Foam is a fast-setting, one-part polyurethane expanding foam designed for quick, efficient fixing, filling and sealing. One can yields up to 50 times the original can contents to fill gaps, cracks, and irregular spaces with ease. Once cured, it can be cut, sawn, or plastered in just one hour. It effectively fills wide or irregular gaps where traditional fillers fail, and it provides reliable insulating and sound-deadening performance. Designed to be used with a Foam Applicator Gun.

### USES

- Filling
  - Roof tile voids and draught points around the home.
  - Gaps around pipe entries through walls.
  - Gaps around door and window frames.
  - Electrical wire chasing prior to plastering.
  - Deep joints prior to applying sealant or plaster.
  - Gaps and cracks in walls and floorboards.
- Fixing
  - Door frames.
  - Windowsills and thresholds.
- Insulating
  - Behind cladding to exterior walls.
  - Behind soffit and barge boards.

### CHARACTERISTICS / ADVANTAGES

- Quick setting - can be cut, sawn or plastered in as little as one 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.
- Expansion - 45 litres.
- Cell structure - medium fine.

### PRODUCT INFORMATION

<b>Packaging</b>	750 ml canister
<b>Shelf Life</b>	15 months from date of manufacture at +15 °C to +20 °C. Once opened, shelf life is reduced to one month from original use.
<b>Storage Conditions</b>	Store upright between +5 °C and +25 °C. Pressurised 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.
<b>Compressive Strength</b>	0.03 MPa

<b>Dimensional Stability</b>	± 10%
<b>Reaction to Fire</b>	B3
<b>Thermal Resistance</b>	-40 °C to +80 °C
<b>Thermal Conductivity</b>	0.036 W/m*K (at 20 °C)
<b>Water Absorption</b>	Max. 1 % vol.
<b>Yield</b>	45 litres
<b>Product Temperature</b>	+5 °C to +30 °C
<b>Substrate Temperature</b>	-2 °C to +30 °C
<b>Cutting Time</b>	20 to 45 minutes (10 mm width)
<b>Tack Free Time</b>	4 to 8 minutes (10 mm width)

## 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-pressurise container.
- Clean spills immediately with Sika Boom® Foam Cleaner.
- When using Sika Boom® Gun Grade Expanding Foam, always clean the gun thoroughly with Sika Boom® Foam Cleaner until the jet is clear of foam. Leave canister attached until the gun is to be used again.
- Always remove nozzle from canister and clean immediately after use with Sika Boom® Foam Cleaner.
- Once cured, dry foam must be removed mechanically. No solvent will remove the product.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice for the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## 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

- Shake can well before use (about 20 times) and before attaching to the gun.
- Remove black cap and screw gun carefully on to the adapter of the can. Take care not to over-tighten.
- ALWAYS USE WITH CAN UPSIDE DOWN.
- Partially fill cavities as foam will expand to fill the re-

maining space.

- Any excess foam should be removed whilst still wet using Sika Boom® Foam Cleaner.
- Cured foam must be removed mechanically.
- When used for fixing door frames, supports must remain in place 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. Grease skin with body lotion or similar.

### CLEANING OF TOOLS

- Thoroughly purge the applicator gun with Sika Boom® Foam Cleaner until the jet is clear of foam.
- Thoroughly clean the valve tip with Sika Boom® Foam Cleaner after use.
- The canister can be left attached to the applicator gun between jobs.

## 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.

### SIKA IRELAND LIMITED

Ballymun Industrial Estate  
Ballymun  
Dublin 11, Ireland  
Tel: +353 1 862 0709  
Web: [www.sika.ie](http://www.sika.ie)  
Twitter: @Sikalreland



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