

## PRODUCT DATA SHEET

# Sika Boom<sup>®</sup> Expanding Foam

Fix and fill multipurpose expanding foam

### PRODUCT DESCRIPTION

Sika Boom<sup>®</sup> Expanding Foam is a fast-setting, one-part polyurethane expanding foam designed for quick, efficient fixing, filling and sealing. It expands up to 150 % after application of the applied bead dimensions 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.

Sika Boom<sup>®</sup> Expanding Foam is supplied with attachable nozzles for easy hand application.

### USES

- Filling
  - Gaps around pipe entries through walls.
  - Gaps around window and 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.
- Insulating
  - Behind cladding to exterior walls.
  - Behind soffit and barge boards.

### CHARACTERISTICS / ADVANTAGES

- Quick setting - can be cut, sawn or plastered in one hour.
- Economical in use - one can yields up to 55 times the original can contents.
- Fills irregular and large gaps where most conventional fillers would fail.
- Possesses insulating and sound deadening properties.
- Cell structure - medium fine.

### PRODUCT INFORMATION

<b>Packaging</b>	500 ml and 750 ml aerosol canisters
<b>Shelf Life</b>	15 months from date of manufacture (see base of can) when stored in stated temperature conditions. Once opened, shelf life reduces to one month from first use.
<b>Storage Conditions</b>	Store upright between +5 °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.

<b>Compressive Strength</b>	0.03 MPa (DIN 54327)
<b>Tensile Strength</b>	0.08 MPa (ISO 1926-79)
<b>Dimensional Stability</b>	±10 % (ISO 2796/86)
<b>Reaction to Fire</b>	B3 (DIN 4102-1)
<b>Thermal Resistance</b>	-40 °C to +80 °C
<b>Thermal Conductivity</b>	0.036 W/m.K (at 20°C) (DIN 52612)
<b>Water Absorption</b>	Max 1 % v/v (DIN 53428)
<b>Yield</b>	20 L - 30 L (500 mL canister), 30 L - 45 L (750 mL canister)
<b>Product Temperature</b>	+15 °C to +20 °C
<b>Ambient Air Temperature</b>	+5 °C to +30 °C
<b>Cutting Time</b>	30 - 45 minutes (10 mm diameter bead)
<b>Tack Free Time</b>	Approx. 7 minutes (10 mm diameter bead)

## 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, ideally +20 °C (conditions and product).
- Clean spills immediately with Sika Boom® Foam Cleaner.
- When using Sika Boom® Expanding Foam, always remove nozzle from can and clean immediately after use with Sika Boom® Foam Cleaner.
- Do not use for fire rated joints.
- Once cured, dry foam must be removed mechanically. No solvent will remove the cured 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 on 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 METHOD / TOOLS

#### ALWAYS WEAR PROTECTIVE GLOVES

- Shake can well before use (about 20 times).

- Carefully fix nozzle. Do not overtighten or force.
- Partially fill cavities; the foam will expand to fill the remaining space.
- Excess wet foam can be removed using Sika Boom® Foam Cleaner. Cured foam must be removed by mechanical means.
- When used for fixing door frames, supports must remain in place until the foam is fully cured.

Please note:

- When transported in cars, keep upright and secured 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 Sika Boom®**

**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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**Product Data Sheet**  
Sika Boom® Expanding Foam  
June 2026, Version 01.01  
020514060000247752

SikaBoomExpandingFoam-en-IE-(06-2026)-1-1.pdf

