

## PRODUCT DATA SHEET

# Sika Boom® Precision Expanding Foam

All weather, low expansion polyurethane foam for precise gap filling

### PRODUCT DESCRIPTION

Sika Boom® Precision Expanding Foam is a low expansion polyurethane foam designed for clean, accurate gap filling, to reduce waste, mess, and stress on surrounding materials, even in cold conditions. Sika Boom® Precision Expanding Foam is suitable for use down to -10 °C. Its controlled expansion limits excess foam and, once cured, it can be cut, sawn, or plastered within just two hours for efficient project turnaround. Sika Boom® Precision Expanding Foam is the ideal choice where it is vital that there is minimal stress placed on the surrounding areas, including window and door frames. When applied correctly, Sika Boom® Precision Expanding Foam will not push items out of alignment due to its low curing pressure. The unique safety valve means that the can will not clog or leak, and the internal valve means that the canisters can be transported in a horizontal as well as vertical position.

### 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

- Low post-expansion stress, ideal for door and window frame installation.
- Controlled expansion means less mess, waste and cutting back.
- Fills gaps and insulates.
- Can be cut, sawn or plastered over after two hours.
- Unique safety valve – rubber-free valve means it will not clog or leak.
- Re-usability – canister may easily be re-used again.
- Safety in transport – internal valve reduces potential of impact damage. Canister may be transported/ stored in horizontal as well as vertical position.
- Cell Structure - Medium fine.
- Full Load Bearing Stability - Approx. 12 hours (20 mm bead).

## PRODUCT INFORMATION

Packaging	750 ml canister
Shelf Life	18 months from date of manufacture (see base of can). Once opened, shelf life is reduced to one month from first use.
Storage Conditions	Store upright between +20 and +25 °C in a 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.
Compressive Strength	Approx. 0.07 MPa (at 10 % compression) (EN 17333-4.1)
Tensile Strength	~0.125 MPa (EN 17333-4.2)
Dimensional Stability	± 3 %
Reaction to Fire	B3 (DIN 4102-1)
Thermal Resistance	-40 °C to +80 °C
Yield	43 L
Product Temperature	+5 °C to +30 °C
Ambient Air Temperature	-10 °C to +30 °C
Substrate Temperature	-10 °C to +35 °C
Cutting Time	Approx. 3 hours
Tack Free Time	Approx. 8 minutes

## VALUE BASE

All technical data stated in this Product 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® Precision 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 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, grease and loose particles. **Moisten surfaces to be sealed. This assists the curing process.**

### APPLICATION

Shake can well before use (about 20 times). Fix nozzle applicator. ALWAYS USE WITH THE CAN UPSIDE DOWN. Fill the cavity to just less than full as the foam will expand slightly to fill the remaining space. Any excess foam can be removed whilst still wet using Sika Boom® Foam Cleaner.

### CLEANING OF TOOLS

Nozzle and valve tip must be cleaned with Sika Boom® Foam Cleaner before the foam cures. Once cured, foam must be removed by mechanical means.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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

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