

## PRODUCT DATA SHEET

## Sika Boom® Pestblock

Pesticide-free pest blocking polyurethane foam

## PRODUCT DESCRIPTION

Sika Boom® Pestblock is a pesticide-free, one-component polyurethane foam designed to fill gaps, cracks, and cavities to help prevent entry of insects and small pests. Its high expansion allows effective filling of irregular spaces, and the cured foam can be trimmed, shaped, or sanded. The product includes a reusable dispensing straw for convenient on-site use.

## WHERE TO USE

Sika Boom® Pestblock is suitable for filling gaps, joints, and cavities in residential and commercial construction, for both interior and exterior applications, including:

- Entry points for insects and small pests (ants, bees, spiders, mice, etc.)
- Wall penetrations and service openings (e.g. plumbing, electrical, HVAC penetrations)
- Spaces around doors, windows, and other building elements

## CHARACTERISTICS / ADVANTAGES

- Pesticide-free formulation suitable for use in living areas
- No strong odour during or after application
- Blocks insects, rodents, and other pests
- High expansion for filling wide or irregular gaps
- Adheres to most common building materials (concrete, wood, metal, glass, etc.)
- Cured foam is rigid, mold-proof, waterproof, and over-paintable
- Provides thermal and acoustic insulation
- Includes a reusable dispensing straw; no special tools required
- Applicable at -5 °C to 30 °C (23 °F to 86 °F)

## PRODUCT INFORMATION

Composition / Manufacturing	Polyurethane Prepolymer (Moisture-curing)	
Packaging	500 mL (455 g) can / 12 cans per case	
Colour	Light yellow	
Shelf Life	15 months from production date	
Storage Conditions	Store in undamaged, original, sealed packaging. Store upright, in dry conditions, protected from sunlight and heat, and at temperatures between 5–30 °C (41–86 °F).	
Density	22 ± 3 kg/m <sup>3</sup> (1.37 lb/ft <sup>3</sup> ) Foam Cured	(ASTM D1622)
Compressive Strength	0.03 MPa (4.35 psi)	(DIN 53421)

Thermal Conductivity	0.036 W/m.K, at 20 °C (68 °F)	(DIN 52612)
Service Temperature	-40 °C to 80 °C (-40 °F to 176 °F)	
Yield	15-23 L (4.0-6.0 US gal.)	
Product Temperature	Optimal can temperature is 20 °C (68 °F). Sika Boom® Pestblock should be kept at room temperature (20 °C (68 °F)) for at least 12 hours before application.	
Ambient Air Temperature	-5 °C to 30 °C (23 °F to 86 °F)	
Substrate Temperature	-5 °C to 30 °C (23 °F to 86 °F)	
Curing Time	24 hours	
Cutting Time	30 - 45 minutes	(ASTM C1620)
Tack-free time	4 - 10 minutes	(ASTM C1620)

## BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

## WHERE TO USE

- The can must be held in the upside-down position for application; failure to hold the can upside-down may prevent proper dispensing.
- Will not adhere to polyethylene, Teflon, silicone, or surfaces contaminated with oils, grease, or release agents and other similar materials.
- Keep cans away from direct sunlight and temperatures above 50 °C (122 °F).
- Store and transport cans vertically.
- Lower temperatures reduce yield and extend curing time.
- Cured foam may discolor under UV exposure; painting or coating is recommended for outdoor applications.
- Keep product at room temperature for at least 12 hours before use.

## ENVIRONMENT, HEALTH & 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 the substrate is clean, sound, and free of dust, grease, or loose particles. Remove poorly adhering

contaminants such as paint or cement laitance. Sika Boom® Pestblock adheres without primers. Lightly dampen the surface with clean water to ensure proper curing and reduce secondary expansion.

### MIXING

Shake the can thoroughly for approximately 60 seconds before use and after long pauses. Turn the can upside down, attach the dispensing straw securely without pressing the valve. Control foam flow by adjusting pressure on the valve/adaptor.

### APPLICATION

Fill deep cavities in multiple layers. Allow each layer to expand and cure sufficiently before applying the next layer. Lightly spraying water between layers, or allowing adequate waiting time between applications, will help ensure proper curing.

Fill cavities to approximately 30 % of their volume to allow for foam expansion. All adjacent building elements must be temporarily supported or fixed in place until the foam has fully cured.

**Note:** Sika Boom® Pestblock must be applied with the can held upside-down. Failure to invert the can will prevent proper foam dispensing.

**Reusable Straw:** To ensure that the dispensing straw can be reused, place the can upright while it still contains foam. Fold the straw back onto itself and insert the open end onto the plastic tip above the trigger to a depth of approximately 10 mm (1/32 in) to prevent air from entering. Before reusing, shake the can, unfold the straw, and resume application.

### CLEAN UP

Clean all tools and equipment immediately with Sika Boom® PRO Cleaner. Uncured foam can also be removed from surfaces using Sika Cleaning Wipes-120. Once

cured, residual foam must be removed mechanically. Refer to Sika Boom® PRO Cleaner product data sheet for further information.

## 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 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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: [www.sika.ca](http://www.sika.ca)

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### Other locations

Boisbriand (Quebec)  
Brantford; Cambridge;  
Sudbury; Toronto (Ontario)  
Edmonton (Alberta)  
Surrey (British Columbia)

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