BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET
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SPRAYED FOAM AIR BARRIER

Sika Boom® AS

ALL-SEASON, MULTIPURPOSE, LOW EXPANSION POLYURETHANE FOAM

Description

Sika Boom® AS is a one-component, low expansion, CFC-free and all-season polyurethane foam

Where to Use

- Installation of window and door frames.
- Filling gaps and voids.
- Sealing out dust, noise and draft.
- Filling of penetration in walls.
- Air sealing and insulating.

Advantages

- High yield formulation.
- May be applied year around at temperatures ranging between -12 °C and 30 °C.
- No special tools required - includes convenient re-usable dispensing straw.
- Environmentally Friendly: CFC and HCFC-free.
- Low VOC, less than 2 g/L (LEED - SCAQMD, Rule 1168).
- UL 723 Classified (ASTM E84), CAN/ULC-S102-10.

Technical Data

Packaging	750 mL (850 g) can / 12 cans per case 354 mL (340 g) can / 12 cans per case
Colour	Light Yellow
Yield	750 mL can: 40 L (± 5 L)* 354 mL can: 17 L (± 2 L)* *Depending on temperature and humidity
Shelf Life	15 months from the date of production, if it is stored properly in undamaged, original, sealed packaging and if storage conditions are met.
Storage Conditions	Product must be stored in an upright position, in dry conditions, protected from direct sunlight and at temperatures between 5 and 30 °C.

Properties

Density	22 ± 3 Kg/m³ (ASTM 1622)
Tack-Free time (1 cm width)	7 ± 3 min (ASTM 1622)
Cutting Time (1 cm width)	30 - 45 min (ASTM 1622)
Cure Time	24 hours
Water Absorption	1 % volume
R-Factor	4.7 per inch approx. / 0.036 W/m.k (at 20 °C)
Service Temperature	- 40 °C to 80 °C
Application Temperature	- 12 °C to 30 °C
Fire Rating ASTM E84/UL 723 CAN/ULC-S102-10	Flame Spread 10, Smoke Developed 20 (UL File # R38677)

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.

HOW TO USE

Surface Preparation

The substrate must be clean, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed. Sika Boom® AS adheres without primers and/or activators. Pre-dampen the substrate with clean water, this ensures that the foam cures properly and also prevents secondary foam expansion.

Application Method

Shake Sika Boom® AS can well for about 60 seconds before use. Repeat shaking after long interruptions of use. Turn the Sika Boom® AS can upside down and screw the straw adapter firmly into place without pressing the valve. Regulate the foam flow by applying more or less pressure on the valve/adapter. Sika Boom® AS can only be used in the upside position, failure to invert the can will prevent the foam from dispensing properly. Fill deep cavities in several layers. Take care to allow each layer to cure and expand sufficiently by spraying water between each layer or allowing sufficient waiting time between the layers. Fill the cavity approximately 30 % to allow for expansion. All building elements must be temporarily fixed until the foam has fully cured.

Re-Usable Straw: To ensure that the straw can be re-used: 1) set the can upright and 2) while it is still full of foam, fold back the straw over itself and slide the open end onto the plastic tip located above the trigger to a depth of 10 mm. This will keep the straw air-free. When you are ready to re-use the product, simply shake the can, unfold the straw and proceed with spraying.

Clean Up

Clean all tools and application equipment immediately with Sika Boom® Cleaner. Uncured material may be removed from substrates and tools with Sika® Hand Cleaner. Once cured, residual material can only be removed mechanically. Refer to Sika Boom® Cleaner product data sheet for further information.

Limitations

- Storage above 30 °C and below 5 °C shortens shelf life.
- Do not store cans in direct sunlight. Do not expose cans to temperatures greater than 50 °C.
- Should be stored and transported in vertical position.
- Should be kept in room temperature for at least 12 hours before the application.
- Cured foam will discolour if exposed to ultraviolet light.
- For best results, the cured foam may be painted or coated for outdoor applications.
- Lower temperatures decrease yield and curing time.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.

KEEP OUT OF REACH OF CHILDREN

SIKA CANADA INC.
Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9

Other locations
Toronto
Edmonton
Vancouver

1-800-933-SIKA
www.sika.ca

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