



PRODUCT DATA SHEET

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SPRAYED FOAM AIR BARRIER

Sika Boom®-130 3XL

TRIPLE EXPANSION POLYURETHANE FOAM

Description	Sika Boom®-130 3XL is a one-component, triple expansion, CFC-free polyurethane foam specially formulated for large gap filling applications
Where to Use	<ul style="list-style-type: none"> ▪ Filling and sealing of large gaps, joints and cavities ▪ Sealing around pipes, conduits and other wall penetrations ▪ Weather sealing and insulating against cold, air movement and drafts
Advantages	<ul style="list-style-type: none"> ▪ High yield formulation ▪ Suitable for exterior and interior applications ▪ Excellent adhesion, stability and filling capacity ▪ High thermal and acoustical insulation values ▪ Adheres to most common building materials (concrete, wood, metal, glass, etc.) ▪ Mould-proof, waterproof and over-paintable ▪ Applicable at temperatures ranging between 5 and 30 °C ▪ No special tools required - includes convenient re-usable dispensing straw ▪ Cured foam becomes rigid when dried; can be trimmed, shaped and sanded ▪ Environmentally Friendly: CFC and HCFC-free ▪ Low VOC, less than 2 g/L ▪ CAN/ULC-S102-10 certification

Technical Data	
Packaging	750 mL (850 g) can / 12 cans per case
Colour	Light Green
Yield	30 - 45 L - Depending on temperature and humidity
Shelf Life	15 months from the date of production, when stored properly in undamaged, original, sealed packaging . Store in an upright position, in dry conditions, protected from direct sunlight and at temperatures between 5 and 30 °C.
Properties	
Chemical Base	Polyurethane Prepolymer
Curing Mechanism	Moisture-curing
Density	22 ± 3 kg/cm³ (ASTM D1622)
Compressive strength	0.03 MPa
Expansion ratio	260 - 280 %
Tack-Free time (10 mm width)	7 ± 3 min (ASTM C1620)
Cutting Time (10 mm width)	30 - 45 min (ASTM C1620)
Cure Time	24 hours
Water Absorption (vol.)	1 % max. (DIN 53428)
Thermal Conductivity	0.036 W/m.k (at 20 °C)
Service Temperature	-40 to 80 °C
Application Temperature	5 to 30 °C
Thermal Conductivity	0.036 W/m.k (at 20 °C)
Flammability/ Fire Rating	Flame Spread Rate (FSR): 10
CAN/ULC-S102-10	Smoke Developed Classification (SDC): 15 (UL File no R38267)
<i>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.</i>	

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®-130 3XL adheres without primers and/or activators. Dampen the substrate with clean water before application, as this ensures that the foam will cure properly, and will prevent secondary foam expansion.

Application

Shake Sika Boom®-130 3XL can well for about 60 seconds before use. Repeat shaking after long interruptions of use. Turn the 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/adaptor.

Note: Sika Boom®-130 3XL can only be used in the upside down 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 will shorten shelf life.
- Can must be held used in the upside down position for application; failure to do so will prevent the foam from dispensing properly
- Product will not adhere to surfaces such as polyethylene, teflon, silicone and surfaces contaminated with oils, greases, mould-release agents and other similar materials.
- 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

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, within their shelflife. 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

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