



**PRODUCT DATA SHEET**

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SPRAYED FOAM AIR BARRIER

# Sika Boom® AS-PRO

## ALL SEASON, MULTIPURPOSE, GUN-APPLIED POLYURETHANE FOAM

<b>Description</b>	Sika Boom® AS-PRO is a one-component, low expansion, CFC-free polyurethane foam.																														
<b>Where to Use</b>	<ul style="list-style-type: none"> <li>▪ Installation of window and door frames.</li> <li>▪ Filling gaps and voids.</li> <li>▪ Sealing out dust, noise and draft.</li> <li>▪ Filling of penetration in walls.</li> <li>▪ Air sealing and insulating.</li> </ul>																														
<b>Advantages</b>	<ul style="list-style-type: none"> <li>▪ May be applied year around at temperatures between -12 °C and 30 °C.</li> <li>▪ Low expansion helps prevent bowing or warping of window frames and other elements.</li> <li>▪ Convenient application and clean up with Sika Boom® PRO Dispenser gun and Sika Boom® PRO Cleaner.</li> <li>▪ Environmentally Friendly: CFC and HCFC-free.</li> <li>▪ Low VOC, less than 2.0 g/L (LEED - SCAQMD, Rule 1168).</li> <li>▪ UL 723 Classified (ASTM E84), CAN/ULC-S102-10.</li> </ul>																														
<b>Technical Data</b>	<table border="0"> <tr> <td><b>Packaging</b></td> <td>750 mL (850 g) can / 12 cans per case</td> </tr> <tr> <td><b>Colour</b></td> <td>Light Yellow</td> </tr> <tr> <td><b>Yield</b></td> <td>40 L (± 5 L) , depending on temperature and humidity</td> </tr> <tr> <td><b>Shelf Life</b></td> <td>15 months from the date of production, if it is stored properly in undamaged, original, sealed packaging and if storage conditions are met.</td> </tr> <tr> <td><b>Storage Conditions</b></td> <td>Product must be stored in an upright position, in dry conditions, protected from direct sunlight and at temperatures between 5 °C and 30 °C.</td> </tr> <tr> <td colspan="2"><b>Properties</b></td> </tr> <tr> <td><b>Density</b></td> <td>19±3 Kg/m<sup>3</sup> (ASTM 1622)</td> </tr> <tr> <td><b>Tack-Free time (1cm width)</b></td> <td>6±2 min (ASTM 1622)</td> </tr> <tr> <td><b>Cutting Time (1cm width)</b></td> <td>20-45 min (ASTM 1622)</td> </tr> <tr> <td><b>Cure Time</b></td> <td>24 hours</td> </tr> <tr> <td><b>Water Absorption</b></td> <td>1 % volume</td> </tr> <tr> <td><b>R-Factor</b></td> <td>4.7 per inch approx. / 0.036 W/m.k (at 20 °C)</td> </tr> <tr> <td><b>Service Temperature</b></td> <td>- 40 °C to 80 °C</td> </tr> <tr> <td><b>Application Temperature</b></td> <td>- 12 °C to 30 °C</td> </tr> <tr> <td><b>Fire Rating: UL 723 (ASTM E84) CAN/ULC-S102-10</b></td> <td>Flame Spread 10, Smoke Developed 15 (UL File # R38677)</td> </tr> </table> <p><small>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.</small></p>	<b>Packaging</b>	750 mL (850 g) can / 12 cans per case	<b>Colour</b>	Light Yellow	<b>Yield</b>	40 L (± 5 L) , depending on temperature and humidity	<b>Shelf Life</b>	15 months from the date of production, if it is stored properly in undamaged, original, sealed packaging and if storage conditions are met.	<b>Storage Conditions</b>	Product must be stored in an upright position, in dry conditions, protected from direct sunlight and at temperatures between 5 °C and 30 °C.	<b>Properties</b>		<b>Density</b>	19±3 Kg/m <sup>3</sup> (ASTM 1622)	<b>Tack-Free time (1cm width)</b>	6±2 min (ASTM 1622)	<b>Cutting Time (1cm width)</b>	20-45 min (ASTM 1622)	<b>Cure Time</b>	24 hours	<b>Water Absorption</b>	1 % volume	<b>R-Factor</b>	4.7 per inch approx. / 0.036 W/m.k (at 20 °C)	<b>Service Temperature</b>	- 40 °C to 80 °C	<b>Application Temperature</b>	- 12 °C to 30 °C	<b>Fire Rating: UL 723 (ASTM E84) CAN/ULC-S102-10</b>	Flame Spread 10, Smoke Developed 15 (UL File # R38677)
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<b>HOW TO USE</b>																															
<b>Surface Preparation</b>	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-PRO 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.																														
<b>Application Method</b>	Shake Sika Boom® AS-PRO can well for about 60 seconds before use. Repeat shaking after long interruptions of use. Remove the red tab from the top of the can. Turn Sika Boom® AS-PRO can upside down and screw onto the valve of the Sika® PRO Dispenser gun then gently press the trigger to purge any air from the gun before applying. The can must remain upside down at all times while dispensing. The consumption can be regulated by applying more or less pressure on the trigger or by tightening or loosening the screw on the Sika® PRO Dispenser gun. Fill the cavity approximately 50 % to allow for expansion. Unfinished cans of Sika Boom® AS-PRO should be left on the gun so that they may be reused at a later time. Unfinished cans should typically be used up within two (2) weeks.																														
<b>Clean Up</b>	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.																														

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**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.
- Paint or coat cured foam for best results in outdoor applications.
- Lower temperatures decrease yield and curing time.

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**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

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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](http://www.sika.ca)

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**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](http://www.sika.ca)**

Certified ISO 9001 (CERT-0102780)  
Certified ISO 14001 (CERT-0102791)