

## PROVISIONAL PRODUCT DATA SHEET

# Sika Boom<sup>®</sup> S

## EXPANSIVE POLYURETHANE FIXING FOAM FOR FILLING AND INSULATING

### DESCRIPTION

Sika Boom<sup>®</sup> S is a 1-component, fast curing polyurethane foam made for easy application.

### USES

Sika Boom<sup>®</sup> S is designed for fixing, insulating and filling connection joints around windows and door frames, pipe entries, air-conditioning vents and electrical equipment.

Sika Boom<sup>®</sup> S allows insulation against noise, cold and draughts after a single application.

### CHARACTERISTICS / ADVANTAGES

- 1-Component
- Easy application with valve nozzle (adapter)
- High expanding rate
- Fast curing
- Very good thermal insulation
- Effective sound dampening
- HFC-free

### ENVIRONMENTAL INFORMATION

- LEED<sup>®</sup> EQc 4.1

### PRODUCT INFORMATION

<b>Chemical Base</b>	1-Component polyurethane
<b>Packaging</b>	400 ml can with rubber valve, 12 cans per box 500 ml can with rubber valve, 12 cans per box 750 ml can with rubber valve, 12 cans per box
<b>Colour</b>	Light yellow
<b>Shelf Life</b>	Sika Boom <sup>®</sup> S has a shelf life of 12 months from the date of production, if it is stored properly in undamaged, original, sealed packaging, and if the storage conditions are met. Opened cans of Sika Boom <sup>®</sup> S must be used within 4 weeks.
<b>Storage Conditions</b>	Sika Boom <sup>®</sup> S shall be stored in an upright position, in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +25 °C.

### TECHNICAL INFORMATION

<b>Tensile Strength</b>	0.07 N/mm <sup>2</sup> approx.	(ISO 1926)
<b>Dimensional Stability</b>	±10% approx.	
<b>Service Temperature</b>	-30 °C to +80 °C	

## APPLICATION INFORMATION

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<b>Consumption</b>	Consumption can be regulated by adjusting the pressure on the valve / adapter. Yield 750 ml can of Sika Boom® S: 32 l (± 3 l) approx. Yield 500 ml can of Sika Boom® S: 21 l (± 2 l) approx. Yield 400 ml can of Sika Boom® S: 17 l (± 2 l) approx.
<b>Ambient Air Temperature</b>	Optimum: +20 °C Permissible: +10 °C to +30 °C Min. 3 °C above dew point temperature
<b>Relative Air Humidity</b>	30% to 95%
<b>Cutting Time</b>	25 minutes approx. (after which a 20 mm bead of Sika Boom® S can be cut). Sika Boom® S is fully cured after 12 hours.
<b>Tack Free Time</b>	10 minutes approx.

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## APPLICATION INSTRUCTIONS

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### SUBSTRATE 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® S 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 / TOOLS

Shake Sika Boom® S can well for about 20 seconds before use. Repeat shaking after long interruptions of use. Screw the adapter firmly into place without pressing the valve. Regulate the foam flow by applying more or less pressure on the valve / adapter. 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. Do not fill hollow sections completely as the foam expands during curing. All building elements must be temporarily fixed until the foam has fully cured.

### CLEANING OF TOOLS

Clean all tools and application equipment immediately with Sika Boom®-Cleaner and/or Sika® Remover-208. Once cured, residual material can only be removed mechanically.

### FURTHER DOCUMENTS

- Safety Data Sheet
- Pre-treatment Chart Sealing and Bonding

### LIMITATIONS

- The minimum can temperature for application must be +10 °C.
- In order to achieve a good quality foam, the can temperature should not vary more than 5 to 10 °C from the ambient temperature.
- Protect the can from direct sunlight and temperatures above +50 °C (danger of explosion).
- For correct curing of the foam, sufficient moisture is necessary.
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and silicone,

- oil, grease and other separating agents.
- Sika Boom® S is not resistant to UV light.
- Read all safety and technical recommendations which are printed on the Sika Boom® S can.

## BASIS OF PRODUCT DATA

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.

## LOCAL RESTRICTIONS

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

## ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

## 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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