

PRODUCT DATA SHEET

Sika Boom[®] S

POLYURETHANE EXPANSIVE FIXING FOAM FOR FILLING AND INSULATING

DESCRIPTION

Sika Boom[®] S is a polyurethane, fast curing, self-expanding, nozzle applied, filling and insulating foam

USES

- Insulating and filling cavities and voids
- Filling joints around window and door frames
- Insulating against noise, cold and draughts
- Filling around pipes / conduit penetrations / vents
- Bonding non-structural building components
- For interior and exterior use

CHARACTERISTICS / ADVANTAGES

- 1-Part ready to use
- Easy application with nozzle
- High expansion rate
- Fast curing
- Good thermal insulation
- Effective sound dampening
- HFC-free

SUSTAINABILITY

- Conformity with LEED v2009 IEQc 4.1: Low-Emitting Materials - Adhesives and Sealants

PRODUCT INFORMATION

Composition	Polyurethane foam	
Packaging	750 ml pressurised canisters with rubber valve	12 canisters per box
Colour	Light yellow	
Shelf life	12 months from date of production	
Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +25 °C. Store in an upright position. Protect the canister from direct sunlight and temperatures above +50 °C (danger of exploding). Opened cans must be used within 4 weeks. Always refer to packaging.	

TECHNICAL INFORMATION

Dimensional Stability	± ~10 %
Service Temperature	-30 °C min. / +80 °C max.

APPLICATION INFORMATION

Yield	Box Yield
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Product Temperature	For optimal results, condition the canister to +20 °C.	
Ambient Air Temperature	Optimum	+20 °C
	Permissible	+10 °C min. / +30 °C max.
Relative Air Humidity	30 % min. / 95 % max.	
Substrate Temperature	Optimum	+20 °C
	Permissible	+10 °C min. / +30 °C max.
Curing Time	Fully cured after 24 hours	
Cutting Time	~25 min (after this time, a 20 mm bead can be cut)	(FEICA TM 1005)
Tack free time	~10 min	(FEICA TM 1014)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be clean, sound, firm, 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 Sika Boom® S cures properly and also prevents secondary foam expansion.

MIXING

Shake the Sika Boom® S canister well for a minimum 20 times before use. Repeat shaking after long interruptions of use.

APPLICATION METHOD / TOOLS

After mixing, remove the cap from the Sika Boom® S canister and screw the nozzle onto the thread of the valve. The amount of expanding foam extruded can be regulated by applying more or less pressure on the trigger.

Fill deep joints (> 50 mm) in several layers. Allow each layer to expand and harden sufficiently before pre-dampening with water again for next layer application. Only partially fill voids / cavities as the foam expands during curing.

Small gaps can be filled using an extension tube, this will however reduce the foam flow rate.

When used for bonding vertical / horizontal building components, they must be temporarily supported until the foam has fully cured.

CLEANING OF EQUIPMENT

Removal of fresh remnants from tools and application equipment can be carried out using Sika Boom® Cleaner or Sika® Remover-208 immediately after use. Hardened material can only be mechanically removed.

IMPORTANT CONSIDERATIONS

- For optimal results, condition the canister to +20°C.

- For optimum foam quality, the canister temperature must not vary more than +10°C from the ambient temperature.
- Do not completely fill voids with wet material as the foam expands during curing.
- Moisture is necessary to cure the foam.
- Insufficient moisture may lead to subsequent unintended foam expansion (post-expansion).
- Do not use for mechanical or structural fixing purposes.
- Sika Boom® S does not bond onto polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and silicone, oil, grease or release agents.
- Not resistant to UV-light.

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 performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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, sub-

strates 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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