

PRODUCT DATA SHEET

Sika Boom[®] AP

MULTI-POSITION, HIGH YIELD EXPANDING FOAM

DESCRIPTION

Sika Boom[®] AP a one-component, fast curing, general purpose polyurethane foam with a very high expansion. Sika Boom[®] AP is suitable for multi-position application in hard to reach application areas.

USES

Sika Boom[®] AP is designed for fixing, insulating and filling cavities, voids and connection joints around window and door frames, air-conditioning vents, roller blind housings, pipe and conduit penetrations for internal and external use.

Sika Boom[®] AP provides insulation against temperature, noise, wind draughts and vermin after application.

FEATURES

- One-Component
- Multi-position application
- Easy application with nozzle
- High expansion rate
- Fast curing
- Very good thermal insulation
- Effective sound dampening
- Can be cut and over painted
- HFC-free

CERTIFICATES AND TEST REPORTS

- KS M 3809 : 2021
- GBCA V1.3-13.1.1B & V1.3-12.1.1B

PRODUCT INFORMATION

Composition	Polyurethane
Packaging	Available in 500ml, 750ml & 850ml
Colour	Light Yellow
Shelf life	Sika Boom [®] AP has a shelf life of 12 months from the date of production, if stored properly in undamaged, original, sealed packaging, and if the storage conditions are met. Opened cans of Sika Boom [®] AP must be used within a short period after opening.
Storage conditions	Sika Boom [®] AP shall be stored in an upright position, in dry conditions, protected from direct sunlight and at temperatures between +15 °C and +25 °C.
Density	~23 kg/m ³
Green building	3grams/litre as VOC content (ASTM D3960)

TECHNICAL INFORMATION

Thermal conductivity	~0.033 W/mK	(KS M 3809 : 2021)
Service temperature	-40 °C min. / +90 °C max.	

APPLICATION INFORMATION

Yield	500ml	~25L
	750ml	~37L
	850ml	~42L
Consumption can be regulated by adjusting the pressure on the nozzle trigger.		
Ambient air temperature	Optimum	+18 °C min. / +25 °C max.
	Permissible	+5 °C min. / +35 °C max.
Substrate temperature	Optimum	+18°C min. / +25 °C max.
	Permissible	+5 °C min. / +35 °C max.
Curing time	Sika Boom® AP is fully cured after 24h (Depending on the foam thickness, ambient and substrate temperature).	
Cutting time	~40-60 minutes (Depending on the foam thickness, ambient and substrate temperature).	
Tack free time	~10 minutes (Depending on ambient humidity and temperature levels).	

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.

FURTHER DOCUMENTATION

- Safety Data Sheet

IMPORTANT CONSIDERATIONS

- The minimum can temperature for application must be +10 °C.
- In order to get a good quality foam, the can temperature should not vary more than 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, moisture is necessary.
- Applying insufficient moisture may lead to subsequent unintended foam expansion (post expansion).
- Do not fill hollow sections completely as the foam expands during cure.
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and silicone, oil, grease and other separating agents.
- Sika Boom® AP is not resistant to UV light, exterior applications should be protected.
- Read all safety and technical recommendations prior to use.

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.

APPLICATION INSTRUCTIONS

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®-AP adheres without primers and/or activators. Pre-dampen the substrate with a mist spray of clean water to ensure the foam cures properly and prevent secondary foam expansion.

APPLICATION

Shake the Sika Boom® AP can well for a minimum 20 seconds before use, repeat shaking after long interruptions of use. Screw application trigger straw nozzle onto the valve of the can. The amount of expanding foam extruded can be regulated by applying more or less pressure on the trigger. Fill deep joints in several layers, allow each layer to cure and expand sufficiently by mist spraying clean water between each layer and allowing sufficient waiting time between layers. Do not fill hollow sections completely as the foam expands during cure. Where small gaps have to be filled

use an extension tube. All building elements must be temporarily fixed until the foam has fully cured. Fully cured foam can be cut to shape and painted.

CLEANING OF EQUIPMENT

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

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.

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.

Sika Australia Pty Limited

ABN 12 001 342 329

aus.sika.com

Tel: 1300 22 33 48

Product Data Sheet

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