

PRODUCT DATA SHEET

Sika Boom[®] AP

MULTI-POSITION, HIGH YIELD EXPANDING FOAM

DESCRIPTION

Sika[®]Boom[®]-AP is a 1-component, high expanding, fast curing polyurethane foam suitable for multi-position applications.

USES

Sika Boom[®] AP is used for fixing, insulating and filling connection joints around window and door frames, pipe entries, air conditioning vents and roller blind housings.

Sika Boom[®] AP provides insulation against noise, cold and draughts after single application.

CHARACTERISTICS / ADVANTAGES

- 1-component
- Multi-positioning foam; application in all positions
- Easy application with nozzle
- High expansion rate
- Fast curing
- Very good thermal and sound insulation
- Can be cut and over painted
- HFC Free

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 room temperature.
Density	~24 kg/m ³

TECHNICAL INFORMATION

Service temperature	-40 °C min. / +90 °C max.
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APPLICATION INFORMATION

Yield	500ml	~25L
	750ml	~37L
	850ml	~42L
Consumption can be regulated by adjusting the pressure on the valve. All values are approximations. <i>Yield may be reduced in aged material.</i>		
Ambient air temperature	Optimum	+25°C
	Permissible	-5 °C min. / +40 °C max.
Substrate temperature	Optimum	+25°C
	Permissible	-5 °C min. / +40 °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 INFORMATION

FURTHER DOCUMENTS

- Safety Data Sheet (SDS)

IMPORTANT CONSIDERATIONS

LIMITATIONS

- 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) or uncured material.
- Do not fill hollow sections completely as the foam expands during curing
- 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, this ensures that the foam cures properly and also prevents secondary foam expansion.

APPLICATION

Shake thoroughly (at least 20 times) prior to application. Apply the nozzle to the can then apply the foam by holding the can in any direction and pointing the nozzle into the area of application then applying pressure to the nozzle trigger. The amount of foam applied can be regulated by the amount of pressure applied to the nozzle. Ensure applications in deep voids are applied in layers allowing each layer to fully cure before application of the next layer (Applied foam must be allowed access to sufficient moisture in order to fully cure). 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.

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Product Data Sheet

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