

Sika® Boom-S

1-Part Expanding Adapter-Foam

Product Description	Sika® Boom-S is a one part expanding adapter-foam. Suitable for use in hot and tropical climates.
Uses	Sika® Boom-S is used as fixing, insulating and filling foam against sound, cold and draught. Insulating and filling of connection joints around window and door frames, construction openings for tubes, hollow spaces of air-conditioning systems and roller blind housings, etc.
Characteristics / Advantages	<ul style="list-style-type: none">■ Good extrudability at low temperatures (+5°C)■ Fast curing■ High expanding rate■ High temperature insulation■ Effective sound dampening■ Ageing resistant■ No ozone-layer-damaging propellant
Product Data	
Form	
Colour	Sand
Packaging	500 ml can (12 cans per box) 750 ml can (12 cans per box)
Storage	
Storage Conditions / Shelf Life	9 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +10°C and +25°C. Aerosol-can has to be stored only in vertical position! An opened can must be used within ~ 4 weeks.
Technical Data	
Chemical Base	1-part Polyurethane, moisture curing
Density	0.018 kg/lit (= 18 kg/m ³)
Skinning Time	10 - 15 minutes (+23°C / 50% r.h.)
Curing Rate	20 mm cordon can be cut after 30 minutes (+23°C / 50% r.h.) Full cured after 12 hours (+23°C / 50% r.h.)
Water Absorption Coefficient	0.3 % by volume (DIN 53 433)



Service Temperature	-40°C to +80°C (temporary up to +100°C)	
Heat Conductivity	~ 0.04 W/mK	(DIN 52 612)
Mechanical / Physical Properties		
Compressive Strength	~ 0.05 N/mm ² by 10% deformation (+23°C / 50% r.h.)	(DIN 53 421)
Shear Strength	~ 0.08 N/mm ² (+23°C / 50% r.h.)	(DIN 53 427)
Tensile Strength	~ 0.18 N/mm ² (+23°C / 50% r.h.)	(DIN 53 430)
Elongation at Break	~ 30% (+23°C / 50% r.h.)	(DIN 53 430)
System Information		
Application Details		
Consumption	Consumption can be regulated by the pressure and the tipping of the valve / adapter. Yield: 750 ml can up to 34lt (+/- 3lt) 500 ml can up to 22lt (+/- 3lt)	
Substrate Quality	Clean and dry, homogeneous, free from grease, dust and loose particles. Paint, laitance and other poorly adhering particles must be removed. Standard construction rules must be observed.	
Substrate Preparation	Pre-moisten the substrate with clean water, this ensures that the foam cures optimally and prevents secondary foam expansion.	
Application Conditions / Limitations		
Substrate Temperature	+5°C min. / +25°C max. (aerosol can has to be +5°C min.)	
Ambient Temperature	+5°C min. / +25°C max. (aerosol can has to be +5°C min.)	
Substrate Humidity	Initially has to be dry for visual control	
Relative Air Humidity	Between 30% and 100%	
Application Instructions		
Application Method / Tools	Shake the can thoroughly before use (~ 20 times). Screw the adapter firmly right down into place without pressing the valve. Holding the valve downward (up side down). Regulate foam flow with pressure on valve / adapter. Fill deep cavities in several layers. Take care to allow each layer to cure sufficiently by spraying water between each layer or allow sufficient waiting time between the layers. Don't fill up the hollow sections completely. The foam expands 1.5 to 2 times! All fixing parts must be properly fixed until the foam has hardened. Remove fresh spots of foam immediately using a cleaner such as Sika® Cleaner / Sika® Remover. Cured foam can only be removed mechanically.	
Cleaning of Tools	Remove fresh spots of foam immediately using a cleaner such as Sika® Cleaner / Sika® Remover. Cured foam can only be mechanically removed.	
Potlife	10 - 15 minutes (+23°C / 50% r.h.)	
Notes on Application / Limitations	The aerosol can temperature has to be +5°C min. and +25°C max. For best workability the aerosol-can temperature must be +20°C Protect the can from sun and temperatures above +50°C (explosion danger) For the proper curing of the foam sufficient moisture is necessary Do not use on PE, PP, Teflon, Silicone, Oil, Grease and other separating agents Foam is not resistant to UV Read safety and technical recommendations printed on the aerosol can	
Notes	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.

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 Material Safety Data Sheet 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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