

PRODUCT DATA SHEET

Sika Boom[®]-550 Fix & Fill

Multipurpose gun-applied self-expanding polyurethane foam

PRODUCT DESCRIPTION

Sika Boom[®]-550 Fix & Fill is a 1-part, gun applied self-expanding polyurethane foam. It is designed for multipurpose use.

USES

The Product is designed for:

- Insulating and filling cavities and voids
- Filling joints around window and door frames
- Insulating against cold and draughts
- Filling around pipes / conduit penetrations

The Product can be used for interior and exterior applications.

PRODUCT INFORMATION

Chemical Base	Polyurethane foam	
Packaging	750 ml pressurised canister with rubber valve	12 canisters per box
	Refer to current price list for packaging variations	
Colour	Light Yellow	
Shelf Life	9 months from date of production	
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Store in an upright position. Always refer to packaging. Protect the canister from direct sunlight and temperatures above +50 °C (danger of exploding).	
Density		

TECHNICAL INFORMATION

Expansion	~60 %	(FEICA TM 1010)
Light and Thermal Resistance	Not permanently UV-stable	

APPLICATION INFORMATION

Yield	750 ml canister		
	Joint yield	~27 m	(FEICA TM 1002)
	Box yield	~34 L	(FEICA TM 1003)
Joint yield based on 20 mm × 50 mm joint			
Product Temperature	Optimum	+20 °C	
	Permissible	+10 °C min. / +30 °C max.	
Ambient Air Temperature	Optimum	+20 °C	
	Permissible	+10 °C min. / +35 °C max.	
Substrate Temperature	Optimum	+20 °C	
	Permissible	+10 °C min. / +35 °C max.	
Cutting Time	~60 minutes (after which a 30 mm bead can be cut)		(FEICA TM 1005)
Tack Free Time	~8 minutes		(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. The product adheres without primers and/or activators to most building materials such as wood, concrete, brick, metal or aluminium.

For non-conventional substrates a preliminary adhesion test is recommended.

Pre-dampen the substrate with clean water, this ensures that the foam cures properly and also prevents unwanted foam expansion.

APPLICATION METHOD / TOOLS

When used for bonding vertical / horizontal building components, they must be supported until the product has developed sufficient strength. Shake the canister well for minimum 20 times before use. Repeat shaking after long interruptions of use. After shaking the canister, remove the cap from the canister. Screw the canister onto the thread of the application gun. The amount of foam extruded can be regulated by applying more or less pressure on the gun trigger or by using the application gun flow-adjustment-screw.

Dispense the foam while keeping the canister upside down.

Fill deep joints in several layers. Allow each layer to expand and harden sufficiently before pre-dampening with water again for next layer application. Fill voids / cavities only partially as the foam expands during curing. Small gaps can be filled using an extension tube, this will however reduce the foam flow rate.

Before removing the canister, expend any material left in the canister into a container for safe disposal. Removing the canister without emptying it first may lead to foam splashes. Clean the application gun with Sika Boom® Cleaner directly after use. Removing the canis-

ter without thorough cleaning with Sika Boom® Cleaner may damage the application gun.

CLEANING OF TOOLS

Clean the application gun by screwing Sika Boom® Cleaner onto the thread of the application gun and clean according to instructions. Do not leave the Sika Boom® Cleaner screwed on the application gun, as the valve could become damaged.

LIMITATIONS

- 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.
- The Product does not bond onto polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and silicone, oil, grease or release agents.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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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