

PRODUCT DATA SHEET

Sika Boom[®]-580 Fix & Fill

General purpose polyurethane self-expanding gun applied foam

PRODUCT DESCRIPTION

Sika Boom[®]-580 Fix & Fill is a polyurethane, 1-part, self-expanding foam made for professional application by dispenser gun for general purposes.

USES

The Product is designed for:

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

The Product can be used for interior and exterior applications.

CHARACTERISTICS / ADVANTAGES

- Professional application with dispenser gun
- Good thermal insulation
- Effective sound dampening
- Good adhesion to many construction materials
- Good filling capabilities
- 1-part ready to use
- Can be cut, trimmed, sanded and painted

PRODUCT INFORMATION

Chemical Base	Polyurethane foam		
Packaging	Box content	Canister specification	
	12 canisters per box	750 ml, 550 ml, rubber valve	
	Refer to current price list for packaging variations.		
Shelf Life	15 months from the 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. Protect the canister from direct sunlight and temperatures above +50 °C (danger of exploding). Always refer to packaging.		
Colour	Light yellow		
Density	Cured product	~21 kg/m ³	(FEICA TM 1019)

TECHNICAL INFORMATION

Expansion	~80 %	(FEICA TM 1010)
Service Temperature	-40 °C min. / +80 °C max. (briefly up to +100 °C)	
UV Exposure	Not permanently UV stable	

APPLICATION INFORMATION

Yield	Foam (box) yield, 550 ml canister	~28 L	(FEICA TM 1003)
	Foam (box) yield, 750 ml canister	~45 L	
	Joint yield, 550 ml canister	~26 m	(FEICA TM 1002)
	Joint yield, 750 ml canister	~33 m	
Joint yield based on 20 mm × 50 mm joint			
Product Temperature	Optimum	+18 °C min. / +25 °C max.	
Ambient Air Temperature	Optimum	+20 °C	
	Minimum	+5 °C	
	Maximum	+35 °C	
Substrate Temperature	Optimum	+20 °C	
	Minimum	+5 °C	
	Maximum	+35 °C	
Tack Free Time	~10 min	(FEICA TM 1014)	
Cutting Time	~35 min (time after which a 30 mm bead can be cut)	(FEICA TM 1005)	

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.

ECOLOGY, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887

Regulation (EC) No 1907/2006 (REACH) - Mandatory training

As from 24 August 2023 adequate training is required before industrial or professional use of this product. For more information and a link to the training visit <https://irl.sika.com/en/knowledge-hub-sika-ireland/pu-training.html>.



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.

CLEANING OF TOOLS

1. Clean the application gun by screwing Sika Boom® Cleaner onto the thread of the application gun.
2. Press the trigger to clean it.
IMPORTANT: Do not leave the Sika Boom® Cleaner screwed on the application gun, as the valve could be damaged.

Clean any other tools or application equipment with Sika Boom® Cleaner or Sika® Remover-208 immediately after use. Hardened material can only be mechanically removed

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.

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

Sika Boom®-580 Fix & Fill
February 2024, Version 05.01
02051406000000114

SikaBoom-580FixFill-en-IE-(02-2024)-5-1.pdf

