

## PRODUCT DATA SHEET

# Sika Boom<sup>®</sup>-587 All Seasons

### POLYURETHANE SELF-EXPANDING GUN APPLIED FOAM FOR ALL SEASONS

#### DESCRIPTION

Sika Boom<sup>®</sup>-587 All Seasons is a polyurethane, 1-part, self-expanding gun applied foam for all seasons. Its special formulation allows a wide application temperature range from -10 °C to +35 °C, while maintaining a consistent, fine-celled foam structure

#### 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

- Temperature range -10 °C to +35 °C
- Professional application with dispenser gun
- High thermal insulation
- Effective sound dampening
- Good adhesion to various construction materials
- Cured foam can be cut, trimmed, sanded and painted

#### PRODUCT INFORMATION

<b>Composition</b>	Polyurethane foam	
<b>Packaging</b>	750 ml pressurised canister with rubber valve	12 canisters per box
	Refer to current price list for packaging variations.	
<b>Colour</b>	Light yellow	
<b>Shelf life</b>	15 months from the date of production.	
<b>Storage conditions</b>	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.	
<b>Density</b>	~18 kg/m <sup>3</sup>	(FEICA TM 1019)

#### TECHNICAL INFORMATION

<b>Post Expansion</b>	~40 %	(FEICA TM 1010)
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<b>Light and Thermal Resistance</b>	Not permanently UV-stable
<b>Service Temperature</b>	-40 °C min. / +80 °C max. (briefly up to +100 °C)

## APPLICATION INFORMATION

<b>Yield</b>	<b>750 ml canister</b>	
	Box yield	~42 L (FEICA TM 1003)
	Joint yield	~33 m (FEICA TM 1002)
	Joint yield based on 20 mm × 50 mm joint	
<b>Product Temperature</b>	Optimum	+18 °C to +25 °C
<b>Ambient Air Temperature</b>	Optimum	+20 °C
	Permissible	-10 °C to +35 °C
<b>Substrate Temperature</b>	Optimum	+20 °C
	Permissible	-10 °C to +35 °C.
<b>Cutting Time</b>	~35 min (after which a 30 mm bead can be cut)	(FEICA TM 1005)
<b>Tack free time</b>	~9 min	(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. If ambient and/or substrate temperature is at or below 0 °C, do not pre-dampen the substrate.

### APPLICATION METHOD / TOOLS

Shake the canister well for a minimum of 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. Re-

moving the canister without emptying it first may lead to foam splashes. Clean the application gun with Sika Boom® Cleaner directly after use. Removing the canister without thorough cleaning with Sika Boom® Cleaner may damage the application gun.

When used for bonding vertical / horizontal building components, they must be supported until the product has developed sufficient strength.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika Boom® Cleaner or Sika® Remover-208 immediately after use. Clean the application gun by screwing Sika Boom® Cleaner onto the thread of the application gun and press the trigger to clean it. Do not leave the Sika Boom® Cleaner screwed on the application gun, as the valve could be damaged. Hardened material can only be mechanically removed.

## IMPORTANT CONSIDERATIONS

- 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.

## BASIS OF PRODUCT DATA

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

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.

## 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 Services AG

Tüffenwies 16  
8048 Zürich  
Tel: +41 58 436 4040  
www.sika.com



### PRODUCT DATA SHEET

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