

## PRODUCT DATA SHEET

# Sika Boom<sup>®</sup>-562 Foam Fix Plus

Gun applied foam insulation board adhesive for professional use



### DESCRIPTION

Sika Boom<sup>®</sup>-562 Foam Fix Plus is a polyurethane, 1-part, self-expanding, gun applied foam adhesive with good adhesion to many types of substrates. It is ideal for efficient and permanent bonding of insulation and plaster boards. Sika Boom<sup>®</sup>-562 Foam Fix Plus is suitable for applications below ground as it is rot-proof and moisture resistant when cured.

### USES

The Product is used for interior and exterior, above and below ground bonding of:

- Plasterboards
- Extruded polystyrene boards (XPS)
- Expanded polystyrene boards (EPS)
- Wood fibre boards
- Cork insulation boards
- Non-structural building components

The product can be used for both vertical and horizontal applications.

### CHARACTERISTICS / ADVANTAGES

- Good adhesion to many construction materials
- Moisture resistant when cured
- 1-part ready to use
- Fast curing
- Good thermal insulation
- Can be cut, trimmed, sanded and painted
- Professional application with dispenser gun

### SUSTAINABILITY

- VOC emission classification GEV Emission EC1<sup>plus</sup>
- French regulation on indoor VOC emissions class A+
- Environmental Product Declaration (EPD)
- DGNB – New buildings and extensive renovations, version 2020-2.0.0 and 2023: The product complies with requirements for indicator 38, quality level 2 according to criteria matrix for ENV1.2/Environmentally hazardous substances.

[Sika Boom<sup>®</sup>-562 Foam Fix Plus](#)

### APPROVALS / CERTIFICATES

- Reaction to Fire Classification DIN 4102-1, Sika Boom<sup>®</sup>-562 Foam Fix, MPA Hannover
- Thermal conductivity EN 12667, SikaBond FoamFix, FIW München, No. F.2-54c/12

### PRODUCT INFORMATION

Composition	Polyurethane foam	
Packaging	12 canisters per box	750 ml, safety valve
Colour	Light yellow	
Shelf life	18 months from 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. Refer to the current Safety Data Sheet for information on safe handling and storage.		
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<b>Density</b>	Cured product	~22 kg/m <sup>3</sup>	(FEICA TM 1019)
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## TECHNICAL INFORMATION

<b>Compressive strength</b>	Dry	~5 N/cm <sup>2</sup>	(FEICA TM 1011)
	Wet	~3 N/cm <sup>2</sup>	

<b>Tensile strength</b>	Dry	~13 N/cm <sup>2</sup>	(FEICA TM 1018)
	Wet	~12 N/cm <sup>2</sup>	

<b>Elongation at break</b>	Dry	~10 %	(FEICA TM 1018)
	Wet	~12 %	

<b>Reaction to fire</b>	Class B2	(DIN 4102-1)
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<b>Resistance to UV exposure</b>	Not permanently UV stable
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<b>Thermal conductivity</b>	$\lambda_{10} = 0.0312 \text{ W}\cdot\text{m}^{-1}\cdot\text{K}^{-1}$	(EN 12667)
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<b>Service temperature</b>	Minimum	-40 °C
	Maximum	+80 °C (briefly up to +100 °C)

## APPLICATION INFORMATION

<b>Yield</b>	750 ml canister, 30 mm wide line	~40 m	(CQP096-26)
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<b>Material temperature</b>	Optimum	+20 °C
	Minimum	+5 °C
	Maximum	+30 °C

<b>Ambient air temperature</b>	Optimum	+20 °C
	Minimum	0 °C
	Maximum	+35 °C

<b>Substrate temperature</b>	Optimum	+20 °C
	Minimum	0 °C
	Maximum	+35 °C

<b>Cutting time</b>	~40 minutes (time after which a 30 mm bead can be cut)	(FEICA TM 1005)
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<b>Open Time</b>	4–5 minutes
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<b>Tack free time</b>	~8 minutes	(FEICA TM 1014)
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<b>Waiting time</b>	2–3 minutes
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## 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.

## 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.

### 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 [www.sika.com/pu-training](http://www.sika.com/pu-training).



## 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 or activators to most building materials such as wood, concrete, brick, metal or aluminum. For non-conventional substrates a preliminary adhesion test is recommended.

If the substrate contains protrusions remove them by grinding with an appropriate tool dependent on the substrate. For cementitious and metallic substrates, use an angle grinder. For wooden substrates, use a hand or electric planer.

To improve adhesion, smooth substrates may be roughened with an abrasive paper such as: sand, aluminum oxide, silicon carbide or similar.

### APPLICATION

#### IMPORTANT

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

#### IMPORTANT

Do not use the Product for mechanical or structural fixing purposes.

#### IMPORTANT

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

#### IMPORTANT

Moisture is necessary to cure the foam. Insufficient moisture may lead to subsequent unintended foam expansion (post-expansion).

Note: Time specifications apply at 23 °C and 50 % r.h. Times will decrease at higher temperature / humidity and increase at lower temperature / humidity.

1. Shake the canister well for a minimum 20 times before use.

Note: Repeat shaking after long interruptions of use.

2. Remove the cap from the canister.

3. Screw the canister onto the thread of the application gun.

4. **IMPORTANT** To ensure proper flow, hold the canister upside down while dispensing. Dispense the foam by pressing the trigger.

Note: The amount of foam extruded can be regulated by applying more or less pressure on the trigger or by using the application gun flow-adjustment-screw.

5. Apply lines of foam with a width of 2–3 cm on the board.

6. Space the lines ~25 cm apart from each other.

7. Before attaching the boards to the substrate, allow the foam to cure for the specified waiting time.

8. **IMPORTANT** Do not move or reattach boards after the foam has started hardening. If a board needs to be removed and reattached, apply foam again as previously described. Attach the boards within the specified open time of the foam.

9. Fill gaps and joints between boards with foam.

Note: Small gaps can be filled using an extension tube, this will however reduce the foam flow rate.

#### IMPORTANT

Before removing the canister from the application gun, 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.

#### IMPORTANT

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.

### CLEANING OF EQUIPMENT

1. Clean the application gun by screwing Sika Boom® Cleaner onto the thread of the application gun.

2. **IMPORTANT** Do not leave the Sika Boom® Cleaner screwed on the application gun, as the valve could be damaged. Press the trigger to clean it.

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.

#### PRODUCT DATA SHEET

Sika Boom®-562 Foam Fix Plus

February 2023, Version 07.01

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## 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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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