

## PRODUCT DATA SHEET

# Sika Boom®-562 Foam Fix Plus

Professional gun applied foam adhesive for insulation boards

## DESCRIPTION

Sika Boom®-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 economical, permanent bonding of insulation and plaster boards. Sika Boom®-562 Foam Fix Plus is suitable for applications below ground as it is rot-proof and moisture resistant when cured.

## USES

The product is designed 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

## 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-Emicode EC1<sup>PLUS</sup>

## PRODUCT INFORMATION

Composition	Polyurethane foam		
Packaging	750 ml pressurised canister with safety valve	12 canisters per box	
	Refer to current price list for packaging variations.		
Colour	Light yellow		
Shelf life	18 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. Protect the canister from direct sunlight and temperatures above +50 °C (danger of exploding). Always refer to packaging.		
Density	Free foamed	~22 kg/m <sup>3</sup>	(FEICA TM 1019)

## TECHNICAL INFORMATION

Compressive strength	Dry	~5 N/cm²	(FEICA TM 1011)
	Wet	~3 N/cm²	
Tensile strength	Dry	~13 N/cm²	(FEICA TM 1018)
	Wet	~12 N/cm²	
Tensile strain at break	Dry	~10 %	(FEICA TM 1018)
	Wet	~12 %	
Light and thermal resistance	Not permanently UV stable		
Service temperature	−40 °C min. / +80 °C max. (temporarily up to +100 °C)		

## APPLICATION INFORMATION

Yield	750ml canister, 30 mm wide line	~40 m	(CQP096-26d)
Product temperature	Optimum	+20 °C	
	Minimum	+5 °C	
	Maximum	+30 °C	
Ambient air temperature	Optimum	+20 °C	
	Minimum	0 °C	
	Maximum	+35 °C	
Substrate temperature	Optimum	+20 °C	
	Minimum	0 °C	
	Maximum	+35 °C	
Cutting time	~40 minutes (after which a 30 mm bead can be cut)		(FEICA TM 1005)
Tack free time	~8 minutes		(FEICA TM 1014)

## 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.

## 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.

If the substrate contains protrusions larger than approximately 2 cm, remove them by grinding with an appropriate tool dependant 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, aluminium oxide, silicon carbide or similar.

### APPLICATION METHOD / TOOLS

**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).

**Sika Boom®-562 Foam Fix Plus**

Open time	4–5 minutes
Waiting time	2–3 minutes

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. Dispense the foam by pressing the trigger. **IMPORTANT:** To ensure proper flow, hold the canister upside down while dispensing.  
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. Attach the boards within the specified open time of the foam. **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.
  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, 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. 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

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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#### PRODUCT DATA SHEET

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