

# PRODUCT DATA SHEET

## SikaBond® FoamFix+

LOW EXPANSION, GUN APPLIED POLYURETHANE FOAM ADHESIVE  
FOR INSULATION BOARDS AND PLASTERBOARDS

### DESCRIPTION

SikaBond® FoamFix+ is a 1-component, fast curing, polyurethane fixing foam for gunned application with good adhesion to various substrates.

### USES

SikaBond® FoamFix+ is designed for fixing plasterboards and insulation boards such as:

- Extruded polystyrene boards (XPS)
- Expanded polystyrene boards (EPS)
- Wood fiber boards
- Cork insulation boards
- Bituminous felt faced PUR/PIR boards

### ADVANTAGES

- 1-Component
- Easy application with application gun
- One pressure can lasts for an area of up to ~13 m<sup>2</sup>
- Fast curing
- Good adhesive tensile strength
- Good adhesion to concrete, bituminous substrates, wood, brickwork, plaster, metal and PVC
- Suitable for vertical and horizontal applications
- Applicable for indoor and outdoor applications
- HFC-free

### APPROVALS / STANDARDS

- ABP P-NDS04-634
- DIN 4102 class B2

### PRODUCT INFORMATION

Chemical base	1-Component polyurethane
Packaging	750 ml can with rubber valve, 12 cans per box
Colour	Light yellow
Shelf life	SikaBond® FoamFix+ has a shelf life of 12 months from the date of production, if stored properly in undamaged, original, sealed packaging, and if the storage conditions are met. Opened cans of SikaBond® FoamFix+ must be used within 4 weeks.
Storage conditions	SikaBond® FoamFix+ shall be stored in an upright position, in dry conditions, protected from direct sunlight and at temperatures between +5 °C and +30 °C.
Density	~18 kg/m <sup>3</sup>

### TECHNICAL INFORMATION

Tensile Strength	~0.07 N/mm <sup>2</sup> (ISO 1926)
Shear Strength	~0.07 N/mm <sup>2</sup> (ISO 1922)
Thermal Conductivity	~0.031 W/mK (EN 12667)
Sound Insulation	R <sub>ST,w(C;Ctr)</sub> = 61 (-1; 4) dB (ift SC-01/2)
Service temperature	-40 °C min. / +80 °C max.

## APPLICATION INFORMATION

Yield	750 ml can of SikaBond® FoamFix+	~48 l ~13 m <sup>2</sup> , styrofoam plate fixing ~36 m, straw cross-section 30 x 30mm
	Consumption can be regulated by adjusting the pressure on the trigger or by tightening or loosening the screw of the application gun.	
Ambient Air Temperature	Optimum	+18 °C min. / +25°C max.
	Permissible	+0 °C min. / +45 °C max.
Relative Air Humidity	30 % min. / 95 % max.	
Substrate Temperature	Optimum	+18 °C min. / +25°C max.
	Permissible	+5 °C min. / +45 °C max.
Cutting Time	~16 min (after which a 20 mm bead of SikaBond® FoamFix+ can be cut). SikaBond® FoamFix+ is fully cured after 12h.	
Tack Free Time	~7 min	

## SUBSTRATE PREPARATION

The substrate must be clean, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed. SikaBond® FoamFix+ adheres without primers and/or activators. Pre-dampen the substrate with clean water, this ensures that the foam cures properly and also prevents secondary foam expansion.

## APPLICATION METHOD / TOOLS

Shake the SikaBond® FoamFix+ can well for minimum 20 seconds before use. Repeat shaking after long interruptions of use. Remove the small black lid from the SikaBond® FoamFix+ aerosol can. Screw SikaBond® FoamFix+ onto the valve of the application gun. The amount of expanding foam extruded can be regulated by applying more or less pressure on the trigger or by tightening or loosening the screw of the application gun. Fill deep joints in several layers. Take care to allow each layer to cure and expand sufficiently by spraying water between each layer or allowing sufficient waiting time between the layers. Do not fill hollow sections completely as the foam expands during curing. Where small gaps have to be filled use an extension tube (consider that the foam flow rate is lower with an extension tube). All building elements must be temporarily fixed until the foam has fully cured. Do not take the SikaBond® FoamFix+ can off the application gun. Removing the can without thorough cleaning with Sika Boom® Cleaner will damage the application gun. Apply at least 3 beads of SikaBond® FoamFix+ onto the insulation board or directly onto the substrate and wait for ~4-6 minutes before pressing the insulation board against the substrate. The curing time of SikaBond® FoamFix+ depends on the temperature and the humidity

conditions. Therefore, it is recommended to perform a pre-test to determine the specific curing time before the final application. If necessary, fill the gaps between the edges of panels with SikaBond® FoamFix+ as well. Once cured excess foam can be cut away with a knife or ground away with a rasp.

## CLEANING OF TOOLS

Clean all tools and application equipment immediately with Sika Boom®-Cleaner and/or Sika® Remover-208. Once cured, residual material can only be removed mechanically.

## LIMITATIONS

- The minimum can temperature for application must be +10 °C.
- In order to get a good quality foam, the can temperature should not vary more than 10 °C from the ambient temperature.
- Protect the can from direct sunlight and temperatures above +50 °C (danger of explosion).
- For correct curing of the foam, moisture is necessary. Applying insufficient moisture may lead to subsequent unintended foam expansion (post expansion).
- Do not fill hollow sections completely as the foam expands during curing.
- Do not use on polyethylene (PE), polypropylene (PP), polytetrafluoroethylene (PTFE / Teflon), and silicone, oil, grease and other separating agents.
- SikaBond® FoamFix+ is not resistant to UV light. Read all safety and technical recommendations which are printed on the SikaBond® FoamFix+ can.

## HEALTH AND SAFETY INFORMATION

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.