

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

CHARACTERISTICS / ADVANTAGES

- 1-Component
- Easy application with application gun
- One pressure can lasts for an area of up to ~13 m²
- 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 / CERTIFICATES

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

PRODUCT INFORMATION

Composition	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 +25 °C.
Density	~18 kg/m ³

TECHNICAL INFORMATION

Tensile Strength	~0.07 N/mm ²	(ISO 1926)
Shear Strength	~0.07 N/mm ²	(ISO 1922)

Thermal Conductivity	~0.031 W/mK	(EN 12667)
Sound Insulation	$R_{ST,w}(C;C_{tr}) = 61 (-1; 4)$ 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 ² , styrofoam plate fixing ~36 m, straw cross-section 30 x 30 mm
	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 12 h.	
Tack free time	~7 min	

APPLICATION INSTRUCTIONS

For the application of SikaBond® FoamFix all generally accepted rules of building and construction apply.

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 applica-

tion 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.

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CLEANING OF EQUIPMENT

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.

FURTHER INFORMATION

- Safety Data Sheet

IMPORTANT CONSIDERATIONS

- 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.

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.

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.

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.

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LEGAL NOTES

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