

PRODUCT DATA SHEET

Sikaflex®-404 Inliner

TEXTILE TUBE IMPREGNATING SEALANT FOR RELINING LEAKING VENTILATION DUCTS

DESCRIPTION

Sikaflex®-404 Inliner is a 2-part, silane terminated polymer, flexible, flame retardant, fast-curing, impregnating sealant. It is poured into a flexible textile liner and using specialist equipment, it impregnates the liner. The liner is then inflated into a tube using compressed air to reline and seal leaking ventilation ducts.

USES

Sikaflex®-404 Inliner may only be used by experienced professionals.

- Reline and refurbishment of leaking metal, brick, fibre cement and concrete ventilation ducts

CHARACTERISTICS / ADVANTAGES

- Adaptable to various duct cross sections
- Good adhesion to defined substrates
- Primerless for most substrates and applications
- Quick cure rate
- Chemical resistant

APPROVALS / CERTIFICATES

- Fire testing DIN-EN 13501-1, Sikaflex®-404 Inliner, Hoch, Test report No. KB-Hoch-171400-3

PRODUCT INFORMATION

Composition	Silane terminated polymer	
Packaging	Part A	14,9 kg container
	Part B	300 ml foil pack
	Refer to current price list for packaging variations	
Colour	Grey, White	
Shelf life	6 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. Always refer to packaging.	
Density	~1,50 kg/l	(ISO 1138-1)
Product Declaration	EN 13501-1: Class B-s1, d0	

TECHNICAL INFORMATION

Shore A Hardness	~45 (after 28 days)	(ISO 868)
Tensile Strength	~1,2 N/mm ²	(ISO 37)
Elongation at Break	~90 %	(ISO 37)

Tear Propagation Resistance	~3,3 N/mm	(ISO 34)
Resistance to Fire	Class B-s1, d0	(DIN-EN 13501-1)
Chemical Resistance	Resistant to many chemicals. Contact Sika Technical Services for additional information.	
Service Temperature	-40 °C min. / +80 °C max.	
Compatibility	Metal, brick, fibre cement, concrete	

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B	100 : 2,5 by weight
	Part A : Part B	100 : 3,2 by volume
Depending on the ambient conditions, 75–300 ml of Sikaflex®-404 Booster can be used per 14,9 kg container		
Sag Flow	Self-levelling	
Ambient Air Temperature	+5 °C min. / +40 °C max. Minimum +3 °C above dew point temperature	
Pot Life	~90 min (+23 °C / 50 % r.h.)	(CQP* 526-1)
* Sika Corporate Quality Procedure. The pot life can be extended by cooling the adhesive.		
Curing Time	~3 hours for full curing (+23 °C / 50 % r.h.)	(CQP 049-2)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be sound, clean, dry and free of all contaminants such as dirt, oil, grease, cement laitance, old sealants and poorly bonded paint coatings which could affect adhesion of the sealant.

Use suitable equipment to prepare substrate.

MIXING

Add Part B to Part A and mix using a low speed single paddle electric stirrer or other suitable equipment.

A minimum mixing time of 3 minutes is required. Stirring must continue until a uniform colour and consistency has been achieved.

Depending on the ambient conditions 75–300 ml of Sikaflex®-404 Booster can be used per 14,9 kg container.

APPLICATION METHOD / TOOLS

Installation work must only be carried out by Sika trained and approved contractors, experienced in this type of application.

Contact Sika Technical Services for Sika trained and approved contractors.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with Sika® Remover-208 immediately after use. Hardened material can only be removed mechanically. For cleaning skin, use Sika® Cleaning Wipes-100.

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.