

PRODUCT DATA SHEET

SikaInject®-107 DE

(formerly TPH.® PUR-O-STOP FLEX)

Polyurethane based 1-component injection resin for permanent waterproofing.

DESCRIPTION

SikaInject® 107 DE is a flexible PU-based single component injection resin for permanent ductile waterproofing according to EN 1504-5.

USES

SikaInject®-107 DE may only be used by experienced professionals.

- Stopping of flowing water, filling of cracks, joints & honeycombs.
- Injection into masonry, concrete structures, civil engineering construction and tunneling.

CHARACTERISTICS / ADVANTAGES

- Reacts with the water present in the injection area with strong foam formation.
- Resulting foam is closed-celled, highly flexible and extremely tear resistant.
- Permanently elastic; can absorb limited movement.
- Can be injected by 1-C-pumps (pneumatic, electric, manual).

APPROVALS / STANDARDS

Concrete injection for ductile filling of cracks, voids and interstices (D) according to EN 1504-5:2004. Declaration of performance GER0513/04, CE-marking. Testing of eluates acc. to drinking water (V-202304-4)

PRODUCT INFORMATION

Packaging	21 kg or 10 kg Refer to current price list for packaging variations.
Colour	transparent reddish
Shelf Life	12 months from date of production
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperature between +15 °C and +25 °C.
Density	~1.1 kg/l (23° C, ISO 2811-1)
Viscosity	~300 mPas (23°C, ISO 2555)
Consistency	Water-reactive polyurethane resin, liquid

APPLICATION INFORMATION

Reaction time

SikalInject-107		
Expansion Start	~20 s	ASTM D7487
Expansion End	~120 s	ASTM D7487
Free Foaming Factor	~30x	ASTM C1643
Foam Density	~38 kg/m ³	DIN EN 845
Values with 5% water at 23° C		

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 Sheets (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

NOTES ON INSTALLATION

For application in dry areas pre-inject with clean water (separate pumping equipment)

SUBSTRATE PREPARATION

Surfaces of cracks, joints and voids need to be clean, free of loose particles, dust, oil and any other bond-breaking substances.
Any dirt must be blown out with compressed air.

APPLICATION

Reference must be made to further documentation where applicable, such as relevant method statement, application manual and installation or working instructions.

CLEANING OF TOOLS

Use SikalInject® Cleaner C1 or SikalInject® CL2 for pump-cleaning (non-cured resin). Cured material can only be removed mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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