

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.

FEATURES

- 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).

CERTIFICATES AND TEST REPORTS

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.

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CLEANING OF EQUIPMENT

Use SikaInject® Cleaner C1 or SikaInject® 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 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.