

## PRODUCT DATA SHEET

# SikaInject®-104

(formerly TPH.® PUR-O-STOP HF)

Fast reacting, rigid polyurethane, 2 components foam resin

## DESCRIPTION

SikaInject®-104 is a fast reacting polyurethane foam resin, rigid, slight foaming, water-tight and heat-insulating.  
Suitable for use in hot and tropical climatic conditions.

## USES

SikaInject®-104 may only be used by experienced professionals.

- Backfilling of pockets and gaps respectively for stabilization in building construction, civil engineering, tunnelling and mining structures
- Filling of large joints and at the same time stabilization of dry und wet gravel aggregate beds
- Sealing of penetrations e.g pipe ducts or cable channels
- Stopping of water intrushes in cracks, construction joints or through prefabricated concrete elements

## FEATURES

- Rapid foam development
- Heat-insulating ability

## CERTIFICATES AND TEST REPORTS

Examination of the leaching behaviour with reversed flow direction (referring to DIBt Guideline, ground water) MFPA Leipzig

## PRODUCT INFORMATION

Packaging	part A: 19 kg part B: 22 kg larger packaging on request Refer to current price list for packaging variations		
Colour	part A: colorless, liquid part B: brown, liquid		
Shelf life	12 months in originally sealed packaging		
Storage conditions	Dry, between 15–25 °C, protected from heat, frost and direct sunlight		
Density	Part A:	~1.05 kg/l	(DIN EN ISO 2811-1)
	Part B:	~1.23 kg/l	

Viscosity	Part A:	~240 mPas	(DIN EN ISO 2555)
	Part B:	~240 mPas	

## TECHNICAL INFORMATION

Compressive strength	~2.0 N/mm <sup>2</sup>	(DIN EN 12190)
Expansion	13-15 times The materials foam ability depends on the quantity of water it gets in touch with.	(ASTM C1643)

## APPLICATION INFORMATION

Mixing ratio	1:1 parts by volume	
Substrate temperature	+5 °C min. / +40 °C max.	
Reaction time	~20 s start of foaming ~45 s end of foaming	(ASTM D7487) (ASTM D7487)

## 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.

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### MIXING

Pump both parts directly from the original packaging. Use a 2-component injection pump and mixed homogeneously in a static mixer. Injection through packers or lances.

### APPLICATION METHOD / TOOLS

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

### CLEANING OF EQUIPMENT

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

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## 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 exact product data and uses.

## 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.

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ISO 9001, 14001, 45001 – SGS  
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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



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