

PRODUCT DATA SHEET

SikaInject®-213 DE

(formerly TPH PUR-O-STOP FS)

2-C-PU injection resin for waterproofing and stabilization

DESCRIPTION

SikaInject®-213 DE is a PU-based 2-component, fast reacting, rigid resin for permanent waterproofing and stabilization of water-bearing structures.

USES

SikaInject®-213 DE may only be used by experienced professionals.

SikaInject®-213 DE is used for stabilization and consolidation of water-bearing rock, ground, sand, as well as for stopping intruding water in tunnels, shafts, dams and other building structures made from concrete or brickwork.

SikaInject®-213 DE can also be used as concrete injection product for force transmitting filling of cracks.

FEATURES

- SikaInject®-213 DE penetrates well into structures to be sealed
- Viscous and hydrophobic mixture, can displace water
- Adjustable reaction time by adding accelerator (SikaInject® AC 20, see pot-life table)
- Develops a solid foam at resin-water-interface
- Application with 2-comp.-pump

CERTIFICATES AND TEST REPORTS

- CE-marked according to EN 1504-5; DOP (No. GER0513/10)
- Groundwater Test (PB 5.1/09 -489-1); MFPA Leipzig

PRODUCT INFORMATION

Packaging	Part A: 20 kg Part B: 24 kg Larger packaging on request. Refer to current price list for packaging variations.	
Colour	Part A: transparent-yellowish liquid Part B: brown liquid	
Shelf life	24 months	
Storage conditions	In original packaging, stored in dry conditions between 15 - 25 °C, protected from heat, frost and direct sunlight.	
Density	Part A:	~1.03 kg/l (DIN EN ISO 2811-1)
	Part B:	~1.23 kg/l
Viscosity	Part A:	~150 mPas (DIN EN ISO 2555)
	Part B:	~100 mPas
	Mixed A+B:	~120 mPas

TECHNICAL INFORMATION

Compressive strength	~74 N/mm ²	(DIN EN 12390-3)
Tensile strength	~29 N/mm ² (Bending tensile strength)	(DIN EN 12390-5)

APPLICATION INFORMATION

Mixing ratio	1:1 parts by volume
Ambient air temperature	+5 °C min. / +35 °C max.
Substrate temperature	+5 °C min. / +35 °C max.
Pot Life	~5 min (adjustable, refer to chart below) (ASTM D7487)
Curing time	~30 min

Reaction time

SikalInject®-213 DE		
SikalInject AC 20		Potlife
(g)	(%)	min:s
0	0.00%	04:50
120	0.06%	02:20
240	0.12%	01:20
320	0.16%	01:10
400	2.00%	00:55
500	2.50%	00:45
catalyst mixed in 20 kg A-component		
without water at 20° C, 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.

FURTHER DOCUMENTATION

If longer reaction times are required, e.g. in cases of crack injection or ground stabilization, use SikalInject®-216 DE.

If shorter reaction times are needed, e.g. in case of heavily flowing water, combine SikalInject®-213 DE with SikalInject®-TX 21 (fast thixotropic agent) or use SikalInject®-210 DE (faster) in combination with SikalInject®-TX 21.

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

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.

MIXING

Use 2-component pumps; pump product directly from containers and mix in a static mixer.

When using accelerator SikalInject® AC-20 DE, measure the required quantity and pre-mix into part A of the base resin.

Injection through packers or injection lances.

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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Sika Saudi Arabia Limited
ISO 9001, 14001 – TUV
Sika MB Construction Chemicals LLC
Sika Construction Chemicals for Manufacturing LLC
ISO 9001 – LMS
Sika MB LLC

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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