BUILDING TRUST
CONSTRUIRE LA CONFIANCE

PRODUCT DATA SHEET

SikaInject®-210 DE

Fast-reacting, structural polyurethane injection resin for waterproofing and stabilization (formerly TPH.® PUR-O-STOP FS-F)

PRODUCT DESCRIPTION

SikaInject®-210 DE is a rigid polyurethane injection resin with short adjustable reaction time and high final strength.

WHERE TO USE

SikaInject®-210 DE may only be used by experienced professionals.

SikaInject®-210 DE is used for stabilisation and solidification of water bearing rocks, ground or sand as well as for stopping water-inrushes in tunnels, shafts, dams and other building structures made from concrete or brickwork.

CHARACTERISTICS / ADVANTAGES

SikaInject®-210 DE is a modular system that can be used with an accelerator (SikaInject® AC 20 DE) or a thixotropic agent (SikaInject® TX 21) for waterstopping applications, for example during construction work in cold water or in the event of unexpected high water inrush.

- Penetrates well in water bearing structures
- Hydrophobic resin displaces water from cracks
- Rigid-foam in water-resin-interface only
- Following material cures to form a compact resin body
- High mechanical values

APPROVALS / CERTIFICATES

Groundwater-Test PB 5.1/12-207 (MFPA Leipzig)

PRODUCT INFORMATION

Packaging	Part A	20 kg	
	Part B	24 kg	
Colour	Part A	Transparent yellowish, liquid	
	Part B	Brown, liquid	
Shelf Life	24 months from date of production		
Storage Conditions	Store in original, unopened and undamaged sealed packaging in dry conditions, at temperatures between 5 °C and 35 °C.		
Density	Part A	~1.03 kg/L	(23 °C, ISO 2811-1)
	Part B	~1.23 kg/L	

Viscosity	Part A	~150 cps	(23 °C, ISO 2555)
	Part B	~100 cps	
	A + B Mixed	~120 cps	

TECHNICAL INFORMATION

Compressive Strength	~74 MPa	(DIN EN 12390-3)
Tensile Strength	~29 MPa	(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	~45 s	(ASTM D4787)
Curing Time	~10 minutes	

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

ENVIRONMENT, HEALTH & 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.

MIXING

Both components are delivered directly from the original packaging. Use a 2-component injection pump and mix homogeneously in a static mixer. Injection is carried out through packers or injection lances.

APPLICATION METHOD / TOOLS

Upon contact with water, the resin starts foaming; this prevents the following resin from foaming and provides a compact resin. Therefore SikaInject®-210 DE can be processed in a one-step operation.

- When heavily flowing water must be stopped or in presence of cold water, it is recommended to use SikaInject®-210 DE combined with SikaInject®-TX 21 (thixotropic agent, refer to PDS).
- In presence of very cold water, an additional acceleration may be necessary. Add the SikaInject®-AC 20 DE accelerator up to max. 2.5 % (accelerator, refer to PDS).

CLEAN UP

Use SikaInject® Cleaner C1 or any other solvent recommended by the injection pump Manufacturer for cleaning the pump and tools when the resin is not cured. Cured resin can only be removed mechanically.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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