

PRODUCT DATA SHEET

SikaInject®-210 DE

fast reacting, structural polyurethane injection resin for waterproofing and stabilization
Formerly TPH.® PUR-O-STOP FS-F

DESCRIPTION

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

(Formerly TPH.® PUR-O-STOP FS-F)

USES

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.

FEATURES

SikaInject®-210 DE is a modular system. Accelerator or thixotropic agent can be added e.g. for waterstopping applications during construction works in cold water or for 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

SUSTAINABILITY

Environmental Product Declaration (EPD):

EPD-DBC-20130014-IBG1-EN

CERTIFICATES AND TEST REPORTS

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

PRODUCT INFORMATION

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Packaging	part A 1000 kg or 20 kg part B 1200 kg or 24 kg IBC on request Refer to current price list for packaging variations.
Colour	part A: transparent yellowish, liquid part B: brown, liquid
Shelf life	24 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 +5 °C and +35 °C.
Density	part A ~1.03 kg/l (23°C, ISO 2811-1) part B ~1.23 kg/l (23°C, ISO 2811-1)
Viscosity	part A: ~150 mPas (23°C, ISO 2555) part B: ~100 mPas (23°C, ISO 2555) mix AB: ~120 mPas (23°C, ISO 2555)

TECHNICAL INFORMATION

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

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

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 done through packers or injection lances.

APPLICATION METHOD / TOOLS

Upon water-contact the resin starts foaming; this prevents the following resin from foaming and provides a compact resin.

Therefore SikalInject®-210 DE can be processed in one step of work.

When heavily flowing water must be stopped and/or in case of cold water it is recommend to use SikalInject®-210 DE combined with SikalInject®-TX 21 (thixotropic agent, see PDS).

In case of very cold water an additional acceleration may be necessary.

Add up to max. 2.5% SikalInject®-AC 20 DE (accelerator, see PDS).

CLEANING OF EQUIPMENT

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 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

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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