

PRODUCT DATA SHEET

SikaInject®-315 PS

(formerly TPH.® POLINIT)

Polymeric strengthening (PS) compound for SikaInject® acrylate resins

PRODUCT DESCRIPTION

SikaInject®-315 PS is a polymeric strengthening compound for the acrylate resin SikaInject-304 DE. The PS compound is used instead of water for preparation of component B with SikaInject-3** acrylate resins.

WHERE TO USE

SikaInject®-315 PS may only be used by experienced professionals.

- Sealing of cracks, joints and cavities in concrete, masonry or in the ground
- Sealing of all types of leaking building components in damp or water saturated ground
- Filling/sealing of annular gaps in tunneling or shaft structures
- Repair of waterproofing membranes in tunnels or basements
- Repair of expansion joints such as failed waterbars
- Curtain injection

CHARACTERISTICS / ADVANTAGES

- Permanently elastic
- Watertight up to 7 bar
- Increase of flexibility
- Increase of adhesion on siliceous surfaces
- Reduction of shrinkage in case of ventilation
- Resistant to alternating freeze and thaw exposure
- Once cured, the product is insoluble in water and hydrocarbons and resistant to alkalis

APPROVALS / CERTIFICATES

- CE-Mark, DOP, concrete injection for (S) filling of cracks, joints, honeycombs acc. to EN 1504-5
- Renovation of defective expansion joints; MFPA Leipzig
- Resistance test to freeze-thaw cycling; MFPA Leipzig
- Resistance test to concrete-corrosive fluids; MFPA Leipzig
- Watertightness-Test 7 bar, acc. to DIN EN 14068; MFPA Leipzig
- Tested with SikaInject®-304 DE

PRODUCT INFORMATION

Packaging	19.8 L (20 kg) metal canister (larger packaging available upon request)
Colour	White / liquid
Shelf Life	12 months in original packaging, intact and unopened
Storage Conditions	Store dry, at temperature between 15 °C and 25 °C. Protected from heat, frost and exposure to direct sunlight
Density	~1.01 kg/L (DIN EN ISO 3675)
Viscosity	8 - 15 mPas (DIN EN ISO 2555)

TECHNICAL INFORMATION

Modulus of Elasticity in Flexure	~ 0.49 MPa (DIN EN ISO 527) with SikalInject®-304 DE
Tensile Strength	~ 0.16 MPa (DIN EN ISO 527) with SikalInject®-304 DE
Water Absorption	~ 40 % (DIN EN ISO 62) with SikalInject®-304 DE
Elongation at break	~ 710 % (DIN EN ISO 527) with SikalInject®-304 DE

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.

FURTHER INFORMATION

- SikalInject®-315 PS can also be used in combination with other SikalInject®-3** acrylate resins.
- Reaction and performance data can be found in the respective product data sheet.

ENVIRONMENT, HEALTH & 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

MIXING

SikalInject®-315 PS is used instead of water for preparing component B of SikalInject®-304 DE. At least three (3) minutes of mixing are required for dissolving the part B (salt). The component B prepared in this way is ready-for-use and remains stable for ~ 5 hours (depending on temperature). The product is pumped in a mixing ratio of 1 : 1 (parts by volume, A : B) using a 2-component injection pump.

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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Product Data Sheet

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