

PRODUCT DATA SHEET

SikaInject®-201 DE

Polyurethane injection resin for permanent waterproofing (formerly TPH.® PUR-O-CRACK PLUS L)

PRODUCT DESCRIPTION

SikaInject®-201 DE is a 2-component, polyurethane-based, super-low viscosity injection resin used for permanent waterproofing according to EN 1504-5.

WHERE TO USE

SikaInject®-201 DE may only be used by experienced professionals.

- Stopping of flowing water, filling of cracks, joints & honeycombs
- Injection into masonry, concrete structures, civil engineering construction and tunnelling
- Ground and rock stabilization
- Curtain injection into ground and sand
- Joint waterproofing with SikaFuko® Injection hose systems

CHARACTERISTICS / ADVANTAGES

- Slow reacting, can be accelerated with SikaInject® AC-20 DE
- Highly elastic
- For pressing water and non-pressing water
- Can be injected using 1-Comp. or 2-Comp. pumps

APPROVALS / CERTIFICATES

- Concrete injection for ductile filling of cracks, voids and interstices (D) according to EN 1504-5:2004.
- Declaration of performance GER0513/26, CE-marking
- General Building Inspectorate Approval for curtain grouting

PRODUCT INFORMATION

Packaging	Part A	10 kg	
	Part B	12 kg	
Appearance / Colour	Part A: Liquid / Transparent, yellowish Part B: Liquid / Brown		
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	~1.01 kg/L	(23 °C, ISO 2811-1)
	Part B	~1.21 kg/L	

Viscosity	Part A	~115 cps	(23 °C, ISO 2555)
	Part B	~40 cps	
Shore A Hardness	~10		(DIN ISO 7619-1)
Tensile Strength	~0.6 MPa		(DIN EN ISO 527)
Modulus of Elasticity in Tension	~0.25 MPa		(DIN EN ISO 527)
Elongation at break	~220 %		(DIN EN ISO 527)

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.		
Open Time	~30 min		(DIN EN ISO 9515)
Gel time	~130 min		(ASTM D7487)
Reaction Time	SikalInject AC 20	Potlife	
	(catalyst mixed in 10 kg A-component SikalInject-201 DE)		
	0.10 % (10 g)	78 min	
	0.20 % (20 g)	55 min	
	0.30 % (30 g)	28 min	
	0.40 % (40 g)	16 min	
	0.50 % (50 g)	11 min	
	0.75 % (75 g)	7 min	
	1.00 % (100 g)	4 min	
	1.50 % (150 g)	3 min 30 s	

Values without water at 23 °C

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.

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 (ensure oiler is turned off).

MIXING

SikalInject®-201 DE is supplied in containers according to the required mixing ratio of 1:1 parts by volume (partial quantities can be measured into separate vessels).

Empty parts A and B into a dry clean mixing vessel and stir slowly (max. 250 rpm) and thoroughly for ~ two (2) min until homogeneous consistency is achieved. When using accelerator SikalInject® AC 20, measure the required quantity and pre-mix into part A of the base resin. After mixing pour the material into the pumps feed container (hopper) and use within potlife.

Note: If 2-component pumps are used the product can be pumped directly from the containers and will be mixed in a static mixer.

CLEAN UP

Use SikalInject® Cleaner C1 or any other solvent recommended by the injection pump supplier for cleaning the pump and tools when the resin is not cured. Only remove cured resin 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

Sika Canada Inc.

Head Office
601, avenue Delmar
Pointe-Claire, Quebec
H9R 4A9
1-800-933-SIKA
www.sika.ca

Other locations

Boisbriand (Quebec)
Brantford; Cambridge;
Sudbury; Toronto (Ontario)
Edmonton (Alberta)
Surrey (British Columbia)

Product Data Sheet

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