

PRODUCT DATA SHEET

SikaInject®-201 DE

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

DESCRIPTION

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

USES

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 tunneling
- Ground and rock stabilization
- Curtain injection into ground and sand
- Joint waterproofing with SikaFuko® Injection hose systems

PRODUCT INFORMATION

Packaging	SikaInject® 201 DE, part A: 20 kg or 10 kg or 5 kg SikaInject® 201 DE, part B: 24 kg or 12 kg or 6 kg Refer to current price list for packaging variations.		
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.		
Colour	Part A: transparent yellowish, liquid Part B: brown, liquid		
Density	Part A:	~1.01 kg/l (23 °C)	(ISO 2811-1)
	Part B:	~1.21 kg/l (23 °C)	
Viscosity	Part A:	~115 mPas (23 °C)	(ISO 2555)
	Part B:	~40 mPas (23 °C)	

FEATURES

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

CERTIFICATES AND TEST REPORTS

- 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

TECHNICAL INFORMATION

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)

Reaction time

SikalInject®-201 DE		
SikalInject® AC 20		
(g)	(%)	Potlife
20	0.10%	78 min
40	0.20%	55 min
60	0.30%	28 min
80	0.40%	16 min
100	0.50%	11 min
150	0.75%	7 min
200	1.00%	4 min
300	1.50%	3.5 min
catalyst mixed in 20 kg A-component		
Values without water at 23° C		

Gel time	~130 min	(ASTM D7487)
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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.

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

Empty parts A and B into a dry clean mixing vessel and stir slowly (ma. 250 rpm) and thoroughly for ~2 min until homogeneous.

Observe the safety precautions. Containers are supplied according to the required mixing ratio of 1:1 parts by volume.

After mixing pour the material into the pumps feed container (hopper) and use within potlife.

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

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

CLEANING OF EQUIPMENT

Use SikaInject® Cleaner C1 or SikaInject® CL2 for pump-cleaning (non-cured resin). Cured material 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 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
- Sika MB Construction Chemicals for Manufacturing LLC
- Sika Construction Chemicals for Manufacturing LLC
- Master Builders Solutions 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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