

## PRODUCT DATA SHEET

# SikaInject®-201 DE

Formerly TPH.® PUR-O-CRACK PLUS L / 2-C PU-injection resin for permanent waterproofing

### 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

### 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

### PRODUCT INFORMATION

#### Packaging

SikaInject® 201 DE, part A: 1000 kg or 20 kg  
SikaInject® 201 DE, part B: 1200 kg or 24 kg  
Refer to current price list for packaging variations.

<b>Colour</b>	SikaInject® 201 DE, part A: transparent yellowish, liquid SikaInject® 201 DE, part B: brown, liquid
<b>Shelf life</b>	24 months from date of production
<b>Storage conditions</b>	The product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperature between +5 °C and +35 °C.
<b>Density</b>	SikaInject® 201 DE, part A: ~1.01 kg/l (23°C, ISO 2811-1) SikaInject® 201 DE, part B: ~1.21 kg/l (23°C, ISO 2811-1)
<b>Viscosity</b>	SikaInject® 201 DE, part A: ~115 mPas (23°C, ISO 2555) SikaInject® 201 DE, part B: ~40 mPas (23°C, ISO 2555)
<b>Shore A hardness</b>	~10 (DIN ISO 7619-1)
<b>Tensile strength</b>	~0.6 MPa (DIN EN ISO 527)
<b>Modulus of elasticity in tension</b>	~0.25 MPa (DIN EN ISO 527)
<b>Elongation at break</b>	~220% (DIN EN ISO 527)

## APPLICATION INFORMATION

<b>Mixing ratio</b>	1:1 parts by volume
<b>Ambient air temperature</b>	+5 °C min. / +35 °C max.
<b>Substrate temperature</b>	+5 °C min. / +35 °C max.
<b>Open Time</b>	~30 min (DIN EN ISO 9515)
<b>Gel time</b>	~130 min (ASTM D7487)

<b>Reaction time</b>	SikaInject-201 DE		
	SikaInject 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			

## 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

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

### 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 (max. 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.

Partial quantities can be measured into separate vessels.

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

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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### Product Data Sheet

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