

PRODUCT DATA SHEET

SikaInject®-201 DE

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

PRODUCT 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

CHARACTERISTICS / ADVANTAGES

- 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

APPROVALS / STANDARDS

- General Building Inspectorate Approval for curtain grouting

PRODUCT INFORMATION

Packaging	SikaInject® 201 DE, part A: 10 kg or 20 kg SikaInject® 201 DE, part B: 12 kg or 24 kg
Colour	SikaInject® 201 DE, part A: transparent yellowish, liquid SikaInject® 201 DE, 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	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)
Viscosity	SikaInject® 201 DE, part A: ~115 mPas (23°C, ISO 2555) SikaInject® 201 DE, part B: ~40 mPas (23°C, ISO 2555)
Shore A Hardness	~10 (DIN ISO 7619-1)
Tensile Strength	~0.6 MPa (DIN EN ISO 527)
Tensile Modulus of Elasticity	~0.25 MPa (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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ffd700;"> <th colspan="3">SikalInject-201 DE</th> </tr> <tr> <th>SikalInject AC 20</th> <th></th> <th></th> </tr> <tr> <th>(g)</th> <th>(%)</th> <th>Potlife</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>0.10%</td> <td>78 min</td> </tr> <tr> <td>40</td> <td>0.20%</td> <td>55 min</td> </tr> <tr> <td>60</td> <td>0.30%</td> <td>28 min</td> </tr> <tr> <td>80</td> <td>0.40%</td> <td>16 min</td> </tr> <tr> <td>100</td> <td>0.50%</td> <td>11 min</td> </tr> <tr> <td>150</td> <td>0.75%</td> <td>7 min</td> </tr> <tr> <td>200</td> <td>1.00%</td> <td>4 min</td> </tr> <tr> <td>300</td> <td>1.50%</td> <td>3.5 min</td> </tr> <tr> <td colspan="3">catalyst mixed in 20 kg A-component</td></tr> <tr> <td colspan="3">Values without water at 23° C</td></tr> </tbody> </table>			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		
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VALUE BASE

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 (~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 SikalInject AC 20, measure the required quantity and pre-mix into part A of the base resin.

CLEANING OF TOOLS

Pumps and tools to be cleaned using appropriate cleaner.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

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, sub-

strates 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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SikaInject-201DE-en-GB-(01-2026)-3-2.pdf

Product Data Sheet
SikaInject®-201 DE
January 2026, Version 03.02
020707010020000055