BUILDING TRUST

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 water-proofing 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: 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.

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)
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

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 (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.
Partial quantities can be measured into seperate 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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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