

PRODUCT DATA SHEET

SikalInject[®]-313

Formerly TPH.[®] ECOCRYL / 3-part, elastic acrylate resin

DESCRIPTION

SikalInject[®]-313 is a 3-part, water-swelling hydrogel based on acrylate / methacrylate that cures to form an elastic product

USES

SikalInject[®]-313 may only be used by experienced professionals.

Curtain injection
Ground stabilization

FEATURES

- extreme low viscosity
- very good penetration
- adjustable potlife
- blue color
- retarder available

CERTIFICATES AND TEST REPORTS

CE-marked (EN 1504-5, DOP no. GER0513/08)
Groundwater test, P 5.1/11 - 431, MFPA Leipzig

PRODUCT INFORMATION

Packaging	part A1: 1000kg or 20 kg part A2: 25kg or 1 kg part B: 1kg Larger packaging on request. Refer to current price list for packaging variations.
Colour	part A1: blue, liquid part A2: colorless, liquid part B: white, solid
Shelf life	12 months from date of production in original packaging
Storage conditions	dry, between 15 °C - 25 °C, protected from heat, frost and direct sunlight

Density	part A1: ~ 1.19 kg/l (DIN EN ISO 3675) part A2: ~ 1.12 kg/l (DIN EN ISO 3675) part B: ~ 2.59 kg/l
Viscosity	part A1: ~ 40 mPas (DIN EN ISO 2555) part A2: ~ 280 mPas (DIN EN ISO 2555) mix AB: ~ 4 mPas (DIN EN ISO 2555)
Consistency	blue-soft-elastic (after curing)

APPLICATION INFORMATION

Mixing ratio	Component A:B = 1:1 parts by volume (see mixing instructions below)
Substrate temperature	5°C - 40°C
Pot Life	~ 15 s - ~ 60 min (DIN EN 14022, at 20°C)
Curing time	~2 min - ~70 min

Reaction time

SikaInject®-313					
Temp.	Potlife (min:s)				
25 °C	00:50	00:30	00:15	00:12	00:10
20 °C	01:00	00:35	00:20	00:15	00:15
15 °C	01:10	00:50	00:30	00:20	00:20
10 °C	02:00	01:10	00:35	00:30	00:25
5 °C	03:00	01:15	00:40	00:35	00:30
	100 g	200 g	500 g	800 g	1000 g
Quantity of part B-Salt in water					
related to 20 kg part A1 and 1 kg part A2					

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.

FURTHER DOCUMENTATION

Longer reaction times can be achieved by use of re-tarder SikaInject®-313 SL, see respective PDS.

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

MIXING

Empty part A2 completely into the part A1 container and mix for 3 min (part A1 + part A2 = Component A). Fill part B into an equivalent ~ 20 L container and fill with 18 L of tap water. Mix for 3 minutes (part B + water = Component B). Components A and B prepared in this way are ready-

for-use. Pump with a 2-C pump in a ratio 1:1 parts by volume directly from containers.

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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