

PRODUCT DATA SHEET

SikaInject®-313

(formerly TPH.® ECOCRYL)

3-part, elastic acrylate resin

DESCRIPTION

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

USES

SikaInject®-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: 20 kg Part A2: 1 kg Part B: 1 kg	
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
	Part B:	~2.59 kg/l
Viscosity	Part A1	~40 mPas (DIN EN ISO 2555)
	Part A2	~280 mPas
	Mixed AB:	~4 mPas
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 (at 20 °C)	(DIN EN 14022)
Curing time	~2 min – ~70 min	

Reaction time

SikalInject®-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 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 retarder SikalInject®-313 SL, refer to respective Product Data Sheet (PDS).

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

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

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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ISO 9001, 14001 – SGS
Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
Sika MB Construction Chemicals LLC
Sika Construction Chemicals for Manufacturing LLC
ISO 9001 – LMS
Sika MB 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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