

PRODUCT DATA SHEET

SikalInject®-155 DW

PU-Based Flexible 1-Component Injection Foam

DESCRIPTION

SikalInject® -155 DW is a solvent-free, 1-component polyurethane foam which reacts in contact with humidity or water. The system consists of a base resin and an accelerator (catalyst, CAT). SikalInject® -155 DW is certified for contact with drinking water and fulfills the requirements of EN 1504-5 for waterproofing of cracked concrete and leaking joints.

USES

SikalInject®-155 DW may only be used by experienced professionals.

- Stopping of small to mid-volume water-ingress in underground structures
- Filling of water-bearing voids
- Permanent waterproofing of cracks and joints

CHARACTERISTICS / ADVANTAGES

- Reacts in moist surroundings
- Good bonding to wet surfaces
- Forms a flexible foam
- EN 1504-5, System 4, U(S1) W(5) (2/3/4) (5/40)

PRODUCT INFORMATION

Packaging	25 kg (base resin) 2.5 kg (accelerator)
Colour	Yellowish (Base Resin) Clear to yellowish (Accelerator)
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 +10 °C and +25 °C
Density	1.16 kg/L (Base Resin) 0.98 kg/L (Accelerator)
Viscosity	700 mPa.s (Base Resin) 320 mPa.s (Accelerator)

TECHNICAL INFORMATION

Expansion	20-30 times (10% accelerator)
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APPLICATION INFORMATION

Ambient Air Temperature	+5 °C min. / +35 °C max.			
Substrate Temperature	+5 °C min. / +35 °C max.			
Reaction time	Reaction time depends on ground temperature and product temperature, as well as accelerator dosage (see table). Site trials should be performed in advance to establish the required reaction time. SikaInject-155 DW / Cat Values with 10% water and 10 % Cat			
Initial Temperature (°C)	+5	+10	+15	+20
Reaction Start (sec)	130	65	30	15
Reaction End (sec)	350	250	120	60
Free Foaming Factor	20	25	25	30

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 Material Safety Data Sheet (MSDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

- Ad the accelerator to SikaInject®-155 DW
- Up to 10% depending on required reaction time
- Mix quickly and thoroughly
- Inject the mix by using a 1-C-pump
- Groundwater/ -moisture initiates the foaming reaction
- In case of dry ground, flush the borehole with water prior to injection

CLEANING OF TOOLS

During short breaks in injection procedure, pump and hoses should be filled with non-accelerated resin to avoid blockages. After injection process pump cleaning agent (e.g. SikaInject®-CL2) or waterfree hydraulic oil through pump and hoses until SikaInject®-155 DW is

SIKA HONGKONG LTD.

Rm.1507-12, Blk A, New Trade Plaza,
6 On Ping Street, Shatin, N.T., H.K.
Phone: +852 26868108
Fax: +852 26453671
Mail: marketing@hk.sika.com
Website: www.sika.com.hk



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completely washed out. Store pump and hoses filled with cleaning agent or oil and seal all openings.

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, 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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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