

PRODUCT DATA SHEET

SikaInject®-155

1-Component PU Injection Foam

DESCRIPTION

SikaInject® -155 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).

USES

SikaInject®-155 may only be used by experienced professionals.

- Stopping of small to mid-volume water ingress in underground structures
- Filling of water bearing voids

CHARACTERISTICS / ADVANTAGES

- Good bond to wet surfaces
- Reacts in moist surroundings

PRODUCT INFORMATION

Packaging	25 kg (base resin) 2.5 kg (accelerator)
Colour	Brown (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	320 mPa.s (Base Resin) 320 mPa.s (Accelerator) 320 mPa.s (Mix)

TECHNICAL INFORMATION

Expansion	25-30 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 /Cat Values with 10% water and 10 % Cat			
Initial Temperature (°C)	+5	+10	+15	+20
Reaction Start (sec)	120	60	25	10
Reaction End (sec)	300	200	110	50
Free Foaming Factor	25	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

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

MIXING

- Add the accelerator to SikaInject®-155
- 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 is 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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