

PRODUCT DATA SHEET

Sika® Injection-101 h

Flexible water reactive PUR-Injection foam for temporary water stopping

DESCRIPTION

Sika® Injection-101 h is a low viscous, fast foaming and solvent-free water-reactive polyurethane injection, which cures to form a dense flexible foam with a fine cellular structure.

USES

- Sika® Injection-101 h is used for the temporary water stopping of high water intrusions in cracks, joints and cavities in concrete, brickwork and natural stone-work.
- To achieve permanent watertight crack sealing, Sika® Injection-201, Sika® Injection-202 (IN) should be injected subsequently.

FEATURES

- Sika® Injection-101h can be injected as a single component system.
- No reaction takes places unless it comes with direct contact with water.
- Free foaming when in contact with water is upto 20 times, in controlled settings the foaming has been observed even upto 40 times.
- The reaction speed (foam formation) is influenced by the temperatures of the mixed material, the structure and the contact water, plus the hydrodynamic conditions.
- In cold temperatures (< +10°C) Sika® Injection-101 h can be accelerated using Sika® Injection-AC10.

PRODUCT INFORMATION

Composition	Solvent free polyurethane two component injection system
Packaging	Pack A : 10 kg Pack B : 0.9 kg
Colour	Pack A : Brown Pack B : Clear
Shelf life	12 months if stored in original unopened conditions
Storage conditions	The material must be stored in a Dry Place within the temperature range of +10°C to +40°C
Density	Pack A : $1130 \pm 30 \text{ kg/m}^3$ Pack B : $900 \pm 30 \text{ kg/m}^3$
Viscosity	200 - 700 cps , mixed viscosity of mixture at 30°C

TECHNICAL INFORMATION

Expansion	Expansion Starts	~ 15 sec after contact with water
	Expansion Ends	~ 50 sec after contact with water
* The given data are laboratory parameters and may deviate depending on the object and conditions on site.		

APPLICATION INFORMATION

Mixing ratio	Pack A : Pack B = 9 ± 1 : 1 (By Volume)
Ambient air temperature	+5°C min / +35°C max
Substrate temperature	+5°C min / +35°C max
Pot Life	~ 3 hours

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 containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

MIXING

Empty parts A and B into a mixing vessel and mix slowly and thoroughly for at least 3 min (max. 250 rpm) until homogeneous, thereby observing the safety precautions. The containers are supplied according to the required mixing ratio of 9 ± 1 : 1 parts by volume. Partial quantities can be measured out in separate vessels.

After mixing, pour the material into the pump's feed container, stir briefly and apply within the pot life.

After mixing, pour the material into the pump's feed container, stir briefly and use within the pot life.

APPLICATION METHOD / TOOLS

Use injection pumps suitable for single part injection products.

Please note that the lid of the material is packed with pressure hence while opening the lid care must be taken and opened with care.

Please refer to the Material Safety Data Sheet in case of any spillage of material on skin.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with a good quality thinner.

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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Sika® Injection-101 h
December 2025, Version 01.02
020707010010000008

SikaInjection-101h-en-BD-(12-2025)-1-2.pdf

