

# PRODUCT DATA SHEET

## SikaInject®-501 AU

High-performance, two component polyurea silicate injection foam for cavity filling and ground consolidation.

### DESCRIPTION

SikaInject®-501 AU is a two component, solvent-free polyurea silicate based foam, engineered for rapid cavity filling and ground consolidation.

### USES

SikaInject®-501 AU may only be used by experienced professionals.

- Void and cavity filling, also to avoid water or gas accumulation
- Rock Consolidation of underground fractured structures
- Consolidation of rock in coal mines

### CHARACTERISTICS / ADVANTAGES

- Stable and workable foam
- Very fast reacting material
- Does not expand its volume when in contact with water.
- Shows good adhesion to wet and low friction substrates.
- Fire resistant (according to DIN4102-B2).

### PRODUCT INFORMATION

|                    |   |
|--------------------|---|
| Packaging          | Part A 1335 kg IBC<br>Part B 1175 kg IBC  |
| Shelf Life         | 24 months from the production date if stored in dry conditions, in unopened, tightly closed original containers and within a temperature range of +5°C and +35°C. |
| Storage Conditions | Store in dry conditions, within a temperature range of +5°C and +35°C.  |
| Density            | Part A 1.4 kg/l<br>Part B 1.25 kg/l   |
| Viscosity          | Part A 60 mPa.s<br>Part B 230 mPa.s   |
| Colour             | Part A clear liquid<br>Part B dark brown liquid   |

### 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, stor-

age 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

SikalInject®-501 AU Part A and B are delivered ready to use. They are injected in the proportion of 1:1 by volume using a two component injection pump equipped with a static in-line mixer nozzle.

Please note: The curing reaction time is dependent on the temperature of the product and the ground.

Please condition both components prior to application at a minimum temperature of 15°C.

To achieve an optimal mixing of the components during injection and cavity filling, the inclusion of a static in-line mixer in connection with the mixing head is strongly recommended.

## CLEANING OF TOOLS

For short breaks in the injection procedure, pump Part A through the in-line static mixer nozzle. After the injection process pump an appropriate cleaning and maintenance agent (like SikalInject®-CL2) or oil containing no water, through the pump and injection hoses until SikalInject®-501 AU foam is completely washed out.

Store the pump and hoses with the cleaning agent inside and seal all openings.

## 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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