

## Sika® Injection-121

Flexible PUR foam for temporary waterstopping

### Product Description

Sika® Injection-121 is a low viscous, fast foaming and solvent free water reactive polyurethane injection foam resin which cures to a dense flexible foam with a fine cellular structure.

### Uses

- Sika® Inyección-121 is used for the temporary waterstopping of high water intrusions in cracks, joints and cavities in concrete, brickwork and natural stonework.
- To achieve permanent watertight crack sealing Sika® Injection-201 CE should be injected subsequently.

### Characteristics / Advantages

- Reaction in direct contact with water
- Sika® Injection-121 can be injected as a single component system.
- The free foaming expansion in contact with water is up to 40 times.
- The reaction speed (foam formation) is influenced by the temperatures of the mixed the structure and the contact water, plus the hydrodynamic conditions.

### Product Data

#### Form

#### Colours

Brown

#### Packaging

Containers 27,3 kg

### Storage

#### Storage Conditions/ Shelf life

12 months, from date of production if stored in unopened , undamaged and original sealed packaging, in dry conditions at temperatures between + 5°C and 30°C

### Technical Data

#### Chemical Base

Water reactive 2-part polyurethane resin

#### Density (EN 1015-10)

Component A: ~ 0,89 Kg/l

Component B: ~ 1'15 Kg/l

#### Viscosity (20° C)

96 mPa·s

#### Free foaming factor

> 4000 %

### System Information

#### Application Conditions /Limitations

**Application Temperature** > +4 °C min.



## Application Instructions

**Mixing** 1 : 1 parts by volume

**Reaction time (20°C)**

6% catalyst : Start : 15 sg  
End: 70 sg

8% catalyst: Start: 12 sg  
End: 55 sg

10% catalyst: Start: 9 sg  
End: 45 sg

**Application Method /Tools** Use injection pumps suitable for single part products.

**Cleaning of Tools** Clean all tools and application equipment with Sika® Colma Cleaner immediately after use. Do not leave Sika® Colma Cleaner in the injection pump. Hardened / cured material can only be removed mechanically.

**Application Notes /Limitations**

The waterproofing process is divided into three phases:

Injection: The time during which the injection material flows under pressure from the pump to the desired moisture/water containing areas.

Induction: The time from initial mixing until the reaction starts.

Reaction: The period during which the mix viscosity increases and foam expansion takes place.

Sika® Inyección-121 RC is generally used for the temporary stopping of high water infiltration. To achieve permanent watertight crack sealing, the subsequent injection of Sika® Injection-201 CE is recommended.

**Notes** 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.

**Health and Safety Information** For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related 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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.

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