# KÖSTER KB-Pur® IN 2

**Technical guideline / Article number 6.14**
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- Industry classification "KB-Pur" registered at the German patent office, 395 06 701

## Elastic 2 component polyurethane injection resin

### Features

KÖSTER KB-Pur® IN 2 is a solvent-free, 2 component polyurethane injection resin for crack injection. It is permanently elastic and thus allows a permanent crack and joint sealing even in case of movement of the crack.

KÖSTER KB-Pur® IN 2 is tested according to KTW-recommendations and can thus be used for applications in drinking water environments.

### Technical data

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| Mixing ratio | by volume | Component A : B | 2 : 1 |
| | by weight | Component A : B | 5 : 3 |
| Viscosity (A + B component) | | | approx. 200 mPa.s |
| Pot life (20 °C, 1 l mixture) | | | 30 min |
| Shore-hardness D / DIN 53505 | | | 25 – 35 |
| Application temperature | | | above + 5 °C |
| Density (of the mixture) | | | approx. 1.1 kg / l |

### Field of application

The material can be used in combination with KÖSTER KB-Pur® IN 1 for the permanent, elastic sealing of water bearing cracks and joints in concrete, screeds, masonry etc. as well as for solidifying granular soils.

It can be used without the pre-injection of KÖSTER KB-Pur® IN 1 for sealing dry cracks, joints and voids. KÖSTER KB-Pur® IN 2 is used in cases where future movements of the building structure cannot be excluded. KÖSTER KB-Pur® IN 2 is also suited for slightly moist cracks.

### Mixing

The A and the B component are recommended to be mixed at 20°C in the above stated mixing ratio using a slowly rotating electrical mixer preferably equipped with a KÖSTER Resin Stirrer. The material must be mixed until it is streak free and homogeneous in appearance.

### Application

Water flow in water bearing cracks, joints and voids are first stopped and dried through the injection of KÖSTER KB-Pur® IN 1. The ready mixed material must be used within the given pot life.

The mixture can be applied using conventional single component injection pumps such as the electrical KÖSTER 1C Injection Pump. Prior to the injection, the cracks can be sealed using KÖSTER KB-Fix 5. Holes are drilled on alternating sides along the course of the crack at an interval of approx. 10 – 15 cm. Injection packers are inserted into the holes and (when possible) injected from bottom to top. The diameter of the drill holes depends on the injection packers chosen. After the removal of the injection packers, the drill holes can be sealed with KÖSTER KB-Fix 5.

### Consumption

Approx. 1.1 kg / l void

### Cleaning of tools

Clean tools immediately after use with KÖSTER KB-Pur® Cleaner.

### Packaging

40 kg, 8 kg and 1 kg combi packages

### Storage

Store the material at temperatures between + 10° and + 30 °C. In originally sealed packages, the material can be stored for 12 months.

### Safety

Wear protective gloves and goggles when processing the material. When carrying out injection work, make sure to protect the surrounding work area from injection resin that may be discharged from the wall, packers, drill holes, etc. Do not stand directly behind the packers during injection.

### Technical guidelines cited

| | | |
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| KÖSTER KB-Fix 5 | Art. No. | 5.015 |
| KÖSTER KB-Pur® IN 1 | Art. No. | 6.13 |
| KÖSTER KB-Pur® Cleaner | Art. No. | 9.10 |
| KÖSTER 1C Injection Pump | Art. N0. | 12.072 |
| KÖSTER Resin Stirrer | Art. No. | 12.088 |



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