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KÖSTER KB-Pur IN 3

2 component polyurethane injection resin for crack bridging
where structural strength is required

- **WZ "KB Pur"** ges. gesch. Deutsches Patentamt, 395 06 701.4
- **Amtl. Untersuchungsbericht**, Fachhochschule Ostfriesland - Eigenschaften des Harzes

Product Description:

Turkish brand name > KÖSTER KB-Pur IN 3

KÖSTER KB-Pur IN 3 is a solvent free, 2 component polyurethane injection resin for crack injection. Due to its high compressive and adhesive tensile strength, KÖSTER KB-Pur IN 3 permanently seals and bridges cracks and joints where structural strength is required.



Technical Data:

Compressive strength	> 80 N / mm ²
Tensile strength	12 N / mm ²
Adherence	> 2 N / mm ²
Viscosity	(+23 °C) app. 300 mPa.s
Density	1,1 gr / cm ³
Pot life	(+20 °C / 1 lt) app. 40 minutes
Application temperature	min. +5 °C
Color	brown
Mixing ration	1 : 1 – A : B (by weight)
Mixing ration	6 : 5 – A : B (by volume)

Field of Application:

The material can be used in combination with KÖSTER KB-Pur IN 1 for the permanent sealing and bridging (where structural strength is required) of water bearing cracks and joints in concrete, screeds, masonry etc. as well as for solidifying granular soils.

It can be used without pre-injections of KÖSTER KB-Pur IN 1 for closing dry cracks, joints and voids.

KÖSTER KB-Pur IN 3 is used in cases where crack flanks or unequal structural members have to be bonded together and acquire structural strength.

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 bearing cracks, joints and voids are dried up through prior injections of KÖSTER KB-Pur[®] IN 1.

The placement of the injection packers depends on the course of the crack. The boreholes are best placed on alternating sides of the crack at a distance of approx. 10 to 20 cm of each other at an angle of 45 ° to the surface of the structural member.

The diameter of the boreholes depends on the injection packers chosen.

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Waterproofing Systems

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Prior to the injection, the crack is sealed with KÖSTER KB-Fix 5.

The injection is carried out using customary injection devices, e. g. the electrical KÖSTER 1C Injection Pump, from bottom to top.

After the removal of the injection packers, the boreholes can be closed with KÖSTER KB-Fix 5.

Consumption:

Approx. 1.1 kg / l void

Packaging:

KÖSTER IN 3	8 kg SET
A component	4,0 kg
B component	4,0 kg



Cleaning of Tools:

Clean tools with suitable polyurethane solvent while still wet.

Storage:

Dry and cool, in original sealed containers.

Shelf Life:

12 months.

Caution:

Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye / face protection. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Material Safety Data Sheet.

When carrying out injection works, make sure to protect the surroundings from injection resin that may be discharged from the wall, packers, boreholes etc. due to the pressurized mode of injection or accidentally. Do not stand directly behind the packers during injection.

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