

**KÖSTER**

**Technical guideline / Article number 6.141**

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## **KB-Pur<sup>®</sup> IN 2 Injection Resin HT**

- Industry classification "KB-Pur" registered at the German patent office, 395 06 701
- Official test certificate, Institute for Hygiene, Gelsenkirchen – „Cold water test“ sealing of large and small areas

### **Elastic 2 component polyurethane injection resin suited for application in high temperature climatic conditions**

#### **Features**

KÖSTER KB-Pur<sup>®</sup> IN 2 HT is a solvent-free, 2 component polyurethane injection resin for crack injection. It is permanently elastic and allows thus a permanent crack and joint sealing even in case of movement of the crack. The pot life of this injection resin has been adjusted so that it is suited for use in high temperature climatic conditions.

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

#### **Technical data**

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

Temperature [°C]	20	30	40
Pot life [min]	< 120	< 100	< 80

#### **Field of application**

The material can be used in combination with KÖSTER KB-Pur<sup>®</sup> 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 pre-injections of KÖSTER KB-Pur<sup>®</sup> IN 1 for closing dry cracks, joints and voids. KÖSTER KB-Pur<sup>®</sup> IN 2 HT is used in cases where future movements of the building structure can not be excluded. Also suited for slightly moist cracks. KÖSTER KB-Pur<sup>®</sup> IN 2 HT is suited for use in high temperature climatic conditions.

#### **Application**

Water bearing cracks, joints and voids are dried up through injections of KÖSTER KB-Pur<sup>®</sup> 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 15 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. All customary resin injection systems are suited. Prior to the injection, the crack is closed with KÖSTER KB-Fix 5. The two components of KÖSTER KB-Pur<sup>®</sup> IN 2 HT are mixed thoroughly using a slowly rotating stirring device. To avoid defects due to insufficient mixing, replot the material and mix it again.

The injection is carried out using customary injection devices, e. g. hand lever presses, 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

#### **Cleaning of tools**

Immediately after use with KÖSTER KB-Pur<sup>®</sup> Cleaner. Reacted material can be treated with KÖSTER KB-Pur<sup>®</sup> Remover.

#### **Packaging**

40 kg, 8 kg and 1 kg combi packages

#### **Storage**

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

#### **Safety**

Wear protective gloves and goggles.

#### **Technical guidelines cited**

KÖSTER KB-Fix 5	Art. No.	5.015
KÖSTER KB-Pur <sup>®</sup> IN 1 Injection Foam	Art. No.	6.13
KÖSTER KB-Pur <sup>®</sup> Cleaner	Art. No.	9.10
KÖSTER KB-Pur <sup>®</sup> Remover	Art. No.	9.11

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