

KÖSTER

Technical guideline / Article number **6.19**

KB-Pur[®] IN 7 Injection Foam

Issued: 01st of January 2007 Draft

- Industry classification "KB-Pur" registered at the German patent office, 395 06 701

Water activated, viscoplastic PU-injection foam for the single-stage sealing of water-bearing cracks and joints

Features

KÖSTER KB-Pur[®] IN 7 is a water activated polyurethane prepolymer. The product reacts only when coming into contact with water and forms spontaneously a compact, viscoplastic, waterproof polyurethane foam.

KÖSTER KB-Pur[®] IN 7 remains viscoplastic after reacting and is thus able to follow crack movements and to seal permanently without the necessity of subsequent injections with an elastic polyurethane massive resin.

KÖSTER KB-Pur[®] IN 7 is solvent-free and resistant to hydrolysis.

Technical data

Mix viscosity at 25°C	approx. 300 mPa.s
Volume expansion	max. 1:30
Density of the mixture at 20 °C	approx. 1.1 kg / l
Density of the fully cured foam	approx. 0.1 g / cm ³
Starting time	approx. 30 seconds
Expansion time	approx. 60 seconds
Non-sticky after	approx. 2 minutes
Mixing ratio (by weight)	10 : 1 (A : B)
Mixing ratio (by volume)	12 : 1 (A : B)

Field of application

KÖSTER KB-Pur[®] IN 7 is intended for single-stage sealing of water bearing cracks in concrete and masonry using pressurized injection systems without necessitating subsequent injections with a massive resin.

Application

The components which are tempered to room temperature are thoroughly mixed using a slowly rotating stirring device. The ready mixed material is not storable and must be used up immediately. The mixture can be processed using customary single component injection pumps.

Prior to the injection, the cracks to be worked on are closed using KÖSTER KB-Fix 5. Along the course of the crack, holes are drilled at a distance of 10 to 15 cm to each other on alternating sides of

the crack. The holes are closed with packers and (if possible) injected proceeding from the bottom to the top. The diameter of the holes depends on the packers used.

Consumption

Approx. 0.1 kg / l void

Cleaning of tools

Immediately after use with KÖSTER KB-Pur[®] Cleaner. Reacted material can be treated with KÖSTER KB-Pur[®] Remover.

Packaging

27.5 kg and 5.5 kg combi packages, 1 kg package

Storage

In originally sealed packages, the material can be stored for approx. 6 month.

Safety

Wear protective gloves and goggles.

Technical guidelines cited

KÖSTER KB-Fix 5	Art. Nr.	5.01
KÖSTER KB-Pur [®] Cleaner	Art. Nr.	9.10
KÖSTER KB-Pur [®] Remover	Art. Nr.	9.11

The accurate and thereby effective and successful application of our products is not subject to our control. The guarantee can therefore only be applied to the quality of our products within the scope of our terms and conditions, not, however, for their effective and successful application. These guidelines replace all previous ones.