

KB-Pur[®] IN 7 Injection Foam

- 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.

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.

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 when processing the material.

Technical guidelines cited

KÖSTER KB-Fix 5	Art. No.	5.01
KÖSTER KB-Pur [®] Cleaner	Art. No.	9.10
KÖSTER KB-Pur [®] Remover	Art. No.	9.11

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.