



KOSTER IN 8

Water-reactive, viscoelastic 1C PU injection foam for single and multiple step waterproofing of water-bearing cracks and joints

Features

KOSTER IN 8 is a water-reactive polyurethane prepolymer. The product only reacts in contact with water and then spontaneously forms a firm, tough, elastic, waterproof polyurethane foam. Contact with water is required for curing and foaming reaction.

After the reaction, KOSTER IN 8 remains viscoelastic and is therefore able to follow crack movements and to permanently waterproof without an elastic solid polyurethane resin re-injection. KOSTER IN 8 is solvent-free and hydrolysis-resistant.

Technical Data

Viscosity at + 75 °F	approx. 300 mPa·s
Volume increase	max. 1 : 30
Ideal installation temperature	+ 60 °F
Density of mixture at + 70 °F	approx. 9.2 lb/gal
Density of reacted foam	approx. 0.8 lb / gal
Start of reaction	approx. 30 seconds
Reaction time	approx. 60 seconds
Non-tacky after	approx. 2 Minutes

Fields of Application

For one-step and multiple step waterproofing of water-bearing cracks in concrete and masonry using the pressure injection method without re-injection with a solid resin. As a sealing injection in concrete and masonry.

Application

KOSTER IN 8 is a 1 component material ready to use and can be processed with conventional one-component injection devices such as the KOSTER 1C injection pump. Before the injection, the cracks to be worked on are sealed with KOSTER Injection Barrier. Along the course of the crack, holes are drilled alternately set at a distance of approx. 4-6 inches, the packers are installed, and (if possible) progressing from bottom to top, injected in one or several stages (at least two injection stages). The multi-stage injection is recommended in case of heavy water pressure. KOSTER IN 8 does not require a reinjection with KOSTER solid resins. The borehole diameter depends on the injection packers used. The drill holes can be closed with KOSTER KB-Fix 5 after removing the injection packers.

Coverage

Approx. 0.8 lb/gal void

Cleaning

Clean immediately after use with KOSTER PUR Cleaner. Hardened material must be mechanically removed.

Packaging

IN 271 005 1.3 gal

Storage

In originally sealed containers the material can be stored for at least 6 months.

After partial removal and further storage, the containers must be closed immediately (do not mix up the caps) and turned "upside down" once to seal the closures from the inside.

Safety

Contains diisocyanate. When working with the material, work clothing that covers arms and legs or a protective suit must be worn. When working in confined spaces or in the "overhead area" hoods or covers must be worn. Wear suitable protective gloves (e.g., nitrile gloves) and protective goggles. When processing the material, pressure is created. Please do not stand directly behind a packer. 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. Obey all local, state, and federal safety regulations when processing the material.

Other

- KOSTER IN 8 reacts with moisture. Avoid contact with rain, splashes, etc. at all costs. A skin can form in the material container of the injection pump due to the humidity. This skin should only be removed when the material hopper is refilled.

- Due to water displacements, reinjections may be necessary to address localized areas

- KOSTER IN 8 is not suitable for wide moving joints with considerably high dynamic movements

Related products

KOSTER KB-FIX 5	Art.-Nr. C 515 015
IN 8 Accelerator	Art.-Nr. IN 272
KOSTER KB-Pur Cleaner	Art.-Nr. IN 900 010
KOSTER Impact Packer 12	Art.-Nr. IN 903 001
KOSTER Superpacker 10 mm x 85 mm	Art.-Nr. IN 912 001
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KOSTER 1C Injection Pump	Art.-Nr. IN 929 001
KOSTER Hand Pump	Art.-Nr. IN 953 002

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 installer is responsible for the correct application taking into consideration the specific conditions of the construction site and 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 deviate from the specifications contained in any Company literature may not be relied upon in the absence of written confirmation from the Company. The installer must comply with all testing, technical requirement, guidelines, and industry customs at all times. The terms, conditions, and limitations contained in the written warranty for the product controls over the specifications contained herein. This guideline has been technically revised; all previous versions are invalid.