KOSTER IN 1

Technical Data Sheet IN 110

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Polyurethane-injection foam for sealing water-bearing cracks and joints

Features
KOSTER IN 1 is a polyurethane prepolymer used with 10% catalyst. The system is single component. It reacts when it comes into contact with water and forms a waterproof polyurethane foam. KOSTER IN 1 is solvent and filler-free, resistant to hydrolysis, and is suitable for use in potable water areas. When mixed material comes into contact with water, it reacts to form a fine-pored, closed cell foam which stops and displaces water.

Technical Data

Mixed viscosity, 77°F	Approx. 300 cps
Volume expansion	Max 1:30
Mixed density, 70°F	Approx. 9.18 lb/gal
Density of fully cured foam	Approx. 0.83 lb/gal
Starting time	Approx. 30 sec
Expansion time	Approx. 60 sec
Non-sticky after	Approx. 2 min
Mixing ratio, by weight (A:B)	10 : 1
Mixing ratio, by volume (A:B)	12 : 1

Fields of Application
KOSTER IN 1 is intended for sealing water bearing cracks in concrete and masonry using pressurized injection equipment.

Application
Before injection, seal cracks using KOSTER KB-Fix 5. Minimum application temperature is 40°F. Bring the material to 60°F before mixing and injection. Temperatures above 80°F will increase reaction rate and reduce pot life. Perform injection using a conventional single component injection pump such as the electrical KOSTER 1C Injection Pump. Drill holes on alternating sides along the course of the crack at an interval of 4 – 6 inches. Insert injection packers into the holes and (when possible) inject from bottom to top. The diameter of the drill holes depends on the injection packers chosen. After the injection of KOSTER IN 1, seal the crack permanently using KOSTER IN 2 or KOSTER IN 3. Perform these subsequent injections between 5 and 15 minutes (depending on the surrounding temperature) after the initial injection.

Cleaning
Clean tools immediately after use with KOSTER KB-Pur Cleaner.

Packaging

IN 110 001	2.2 lb can
IN 110 005	12 lb combipackage
IN 110 012	12 x 2.2 lb can
IN 110 027	60.5 lb combipackage

Storage
Store the material between 50°F and 90°F. In originally sealed packages, the material can be stored for 6 months.

Safety
Consult Safety Data Sheet. Wear protective gloves and goggles when processing the material. When carrying out injection work, protect the surrounding work area from injection resin that may be discharged from the wall, packers, or drill holes. Do not stand directly behind the packers during injection.

Limited Warranty
KOSTER warrants that its product shall be in accordance with the specifications published in the
current revision of the products data sheet. KOSTER covenants that in the event any of its products fail to meet their published specifications, KOSTER shall replace those products proved to be defective. KOSTER shall not be responsible for any incidental or consequential damages due to the breach of its warranties. Notwithstanding the foregoing, KOSTER's sole liability hereunder shall not exceed the cost of the defective product originally purchased. EXCEPT AS SET FORTH ABOVE, KOSTER MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED AND MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF THE PRODUCT FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The user must determine if the product is suited for the intended use and the user must bear the risks and liabilities associated with it.

Related products

KOSTER KB-FIX 5	Art.-Nr. C 515 015
KOSTER IN 2	Art.-Nr. IN 220
KOSTER IN 3	Art.-Nr. IN 230
KOSTER KB-Pur Cleaner	Art.-Nr. IN 900 010
KOSTER Impact Packer 12	Art.-Nr. IN 903 001
KOSTER Superpacker	Art.-Nr. IN 915 001
KOSTER One-Day-Site Packer	Art.-Nr. IN 922 001
KOSTER 1C Injection Pump	Art.-Nr. IN 929 001
KOSTER Hand Pump	Art.-Nr. IN 953 002
KOSTER Footpump	Art.-Nr. IN 958 001

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.

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