KOSTER IN 3

Technical Data Sheet IN 230

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Polyurethane injection resin for structural rebonding

Features
KOSTER IN 3 is a solvent-free polyurethane injection resin for crack injection. With high compressive and adhesive tensile strength, KOSTER IN 3 permanently seals and bridges cracks and joints where structural rebonding is required. It is a 2 component system.

Technical Data

Mixed viscosity	Approx. 300 cps
Pot life, 70 °F	Approx. 40 min
Mixed density	Approx. 9.18 lb/gal
Application temperature	> 60 °F
Compressive strength	> 11,600 psi
Adhesive tensile strength (concrete)	> 290 psi
Flexural strength (7 d/73 °F/65% RH)	Approx. 1740 psi
Mix ratio, by weight (A:B)	1 : 1
Mix ratio, by volume (A:B)	1.2 : 1

Fields of Application
KOSTER IN 3 can be used with KOSTER IN 1 for permanent sealing, bridging, and structural rebonding of dry and water bearing cracks and joints in concrete, masonry, and for solidifying granular soils. It can be used without pre-injection of KOSTER IN 1 for closing dry cracks, joints and voids. KOSTER IN 3 is used in cases where crack flanks or unequal structural members must be bonded together and achieve structural stability. Cured KOSTER IN 3 will not permit crack movement.

Application
Mixing:
Mix A and B components using a slowly rotating electrical mixer and a KOSTER Resin Stirrer. Mix until the material is homogeneous.

Installation:
Before injection, seal cracks using KOSTER KB-Fix 5. 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 removal of the injection packers, seal drill holes with KOSTER KB-Fix 5.

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

Packaging

IN 230 001	2.2 lb can
IN 230 008	1.56 gal combi-package
IN 230 012	12 x 2.2 lb can

Storage
Store the material between 50 °F and 90 °F. Material can be stored in originally sealed packages for 12 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 1	Art.-Nr. IN 110
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

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