



KOSTER IN 5

Technical Data Sheet IN 250

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Elastic polyurethane injection resin for crack and hose-injection

Features

KOSTER IN 5 is a 2-component, solvent-free, low viscosity polyurethane for permanently and elastically injecting, filling, and sealing cracks and construction joints. KOSTER IN 5 does not react aggressively with steel or iron, so corrosion protection is achieved. Due to its slow reaction, the material can be processed for up to 4 hours. Once A and B components are mixed together, curing begins. Water is not needed for the reaction.

Technical Data

Mix ratio, by volume (A:B)	1 : 1
Mix ratio, by weight (A:B)	1 : 1.2
Flash point	> 392°F
Pot life, 70°F	Approx. 4 hours
Application temperature	Above 40°F
Ideal application temperature	60°F

Fields of Application

KOSTER IN 5 is intended for pressure injection of construction joints via injection hoses. It can also be used for permanently and elastically sealing dry, moist, or water-bearing cracks and joints, and for solidifying granular soils.

Application

Crack Injection:

Stop active water leaks by injection with KOSTER IN 1. Placement of the injection packers depends on the course of the crack. Drill holes on alternating sides of the crack at a distance of approx. 4-6 inches from each other, at an angle of 45° to the surface of the structural member. The diameter of the drill holes depends on the injection packers chosen. Before injection, seal the crack with KOSTER KB-Fix 5. Perform injection using a customary injection device such as the KOSTER 1C Injection Pump, from bottom to top along the course of the crack. When using a single component injection pump, no moisture may come into contact with the injection material during the installation. In cases of moist cracks and joints, inject material until bubble-free material leaks from the crack or adjacent packers. Subsequent injections with KOSTER IN 5 can only be carried out within the pot life of the material. After the removal of the injection packers, seal the drill holes with KOSTER KB-Fix 5.

Hose Injection:

Install injection hoses in the middle of the wall in lengths of approximately 30 to 50 ft. The minimum concrete cover must be 3.15 to 4 in. The injection hoses must be in continuous contact with the concrete substrate. The sealing caps of the holder boxes must be flush with the surface of the formwork and remain accessible. No injection should take place within 28 days of the concrete being cast. Perform injection using customary low pressure injection systems in conjunction with suitable injection ports (packers). When using a single component

pump, no moisture may come into contact with the injection material during the application. Fill the injection hose until material comes out of the other end. That end of the hose is then sealed and material is injected until the gauge pressure on the injection pump remains constant. Subsequent injections with KOSTER IN 5 can only be carried out within the pot life of the material.

Cleaning

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

Packaging

IN 250 010	2.4 gallon kit
IN 250 025	6 gallon kit

Storage

Store the material between 50°F and 90°F. The 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 Superspacer	Art.-Nr. IN 915 001
KOSTER One-Day-Site Packer	Art.-Nr. IN 922 001

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.



KOSTER 1C Injection Pump
KOSTER Hand Pump
KOSTER Footpump

Art.-Nr. IN 929 001
Art.-Nr. IN 953 002
Art.-Nr. IN 958 001

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