



KOSTER KB-Pox IN

2 component epoxy resin for crack injection and saturation for structural rebonding

Features

KOSTER KB-Pox IN is a solvent-free, 2 component, low viscosity epoxy resin for crack injection. KOSTER KB-Pox IN does not contain any fillers or softeners, preventing sedimentation. Due to its high rate of penetration into porous substrates and excellent adhesion to concrete, stone, masonry and metal, KOSTER KB-Pox IN permanently seals and bridges cracks and joints and restores structural integrity.

Technical Data

Mixing ratio, by weight (A:B)	3.14 : 1
Pot life	Approx. 80 min.
Ideal application temperature	40°-60°F
Mixed viscosity (ISO 2555)	Approx. 120 cps
Density of mixture	8.35 lb/gal
Compressive strength (7 days)	> 7250 psi
Adhesive tensile strength	
- dry standard concrete	> 580 psi
- damp standard concrete	> 290 psi

Fields of Application

KOSTER KB-Pox IN is used without pre-injection for filling and closing dry and damp cracks, joints, and voids. KOSTER KB-Pox IN is also used in cases where crack flanks or unequal structural members must be structurally bonded together. KB-Pox IN is appropriate for horizontal, vertical, and overhead applications.

Under floor coatings / gravity installation method:

On horizontal surfaces, KOSTER KB-Pox IN can be used to consolidate and strengthen porous concrete and prevent concrete outgassing. The material is installed by pouring the mixed material onto the concrete and spread with a flat squeegee. Allow the material to create a film over the surface and saturate into the concrete, thin cracks, or minor voids for 10-15 min. After allowing material to saturate, squeegee any excess material away or onto the next area. Using a non-shed 3/8" nap roller, backroll the treated area(s) to even the surface of the material. KOSTER KB-Pox can be used under the KOSTER VAP I 2000 system for highly porous concrete.

Substrate

The substrate must be free of loose particles, oil, grease, and other contaminants. Liquid water in the crack must be removed before injection. To stop material from exiting the crack, seal the crack face with KOSTER KB-Fix 5 prior to injection.

Application

Mixing:

Mix the A and the B components intensively using a slowly rotating electrical mixer. Mix until material is homogeneous. Re-pot the material and mix again to achieve complete homogeneity.

Application:

The placement of the injection packers depends on the width and course of the crack. KOSTER recommends using KOSTER Superpackers. Drill holes on alternating sides of the crack at a maximum distance of 6 in. Fine cracks may require reduced spacing. Drill at an angle of 45° towards the crack. Perform the injection using an appropriate injection device such as the KOSTER 1C Injection Pump. After the material has cured, remove the injection packers and close the drill holes with KOSTER KB-Fix 5. On horizontal surfaces, the material can be installed by pouring.

Coverage

Approx 7.4 gal/cubic ft of void space

Cleaning

Clean tools immediately after use with suitable solvent.

Packaging

IN 231 001	0.24 gallon unit
IN 231 006	0.8 gal combipackage

Storage

Store the material between 50°F and 90°F. In original sealed packages, the material can be stored for 12 months.

Safety

Consult Safety Data Sheet. Always wear proper personal protective equipment. When carrying out injection work, protect the surrounding 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

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.



Waterproofing Systems

associated with it.

Related products

KOSTER KB-FIX 5	Art.-Nr. C 515 015
KOSTER IN 1	Art.-Nr. IN 110
KOSTER IN 7	Art.-Nr. IN 270
KOSTER Superpacker 13 mm x 115 mm	Art.-Nr. IN 915 001
KOSTER 1C Injection Pump	Art.-Nr. IN 929 001
KOSTER Hand Pump	Art.-Nr. IN 953 002

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