



KOSTER KB-Pox Adhesive

2 component, high performance epoxy adhesive

Features

KOSTER KB-Pox Adhesive is a two-component, epoxy based, high performance adhesive. The material is thixotropic, has a paste-like consistency, contains no solvents, and has 100% solids content. The material develops a high adhesive strength to concrete, mortar, metal, wood and many other building materials. It develops high early strength. It is suitable for vertical and overhead applications.

Technical Data

Color of cured material	Grey
Compressive strength	5800 psi
Flexural strength	3770 psi
Tensile bond strength	540 psi
Density	15.02 lb/gal
Mixing ratio (by weight)	A:B = 4:1
Pot life, 73 °F	65 min
Hardening time	Approx. 24 hours
Fully cured	Approx. 7 days
Application temperature	40 °F to 95 °F

Fields of Application

- Adhesive for KOSTER Joint Tape
- Bonding of metal to concrete
- Bonding of concrete, stone, metal, wood, and many other building products
- Installation of grout bolts, dowels, and pins (vertical and overhead)

Substrate

Surfaces must be clean, sound and dry. On damp surfaces, the pull off strength should be tested. Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds, wax, formwork release oil and similar contaminants must be removed prior to application.

Concrete surfaces: The substrate must be ground or abrasively blasted to guarantee optimal adhesion of KOSTER KB-Pox Adhesive.

Metal surfaces: Must be blasted to near white.

Application

1. Apply KOSTER KB-Pox Adhesive to the prepared substrate on both sides of the joint so both sides of the KOSTER Joint Tape are embedded into the adhesive at least 1 1/2-in. The KOSTER KB-Pox Adhesive should be approx. 0.08-in thick.
2. Immediately embed KOSTER Joint Tape into the fresh adhesive and press onto the adhesive using a hand roller or a similar suitable tool. Ensure the tape has complete contact with the adhesive.
3. Apply a second layer of KOSTER KB-Pox Adhesive on top of the KOSTER Joint Tape so that the edges of the KOSTER Joint Tape are overcoated by at least 1 1/2-in. Apply KOSTER KB-Pox Adhesive so that it covers the substrate next to the tape by at least 3/4-in. Do not stress the system for at least 24 – 48 hours after application. Protect the freshly applied system from water, rain and frost until it is fully

cured.

As a structural adhesive:

Apply the adhesive on both (prepared) substrates and press them together. Apply pressure until fully cured. Do not move or stress until fully cured. Protect from exposure to water and frost until fully cured. Do not apply thicker than 1/8-in.

As a chemical anchor:

Drill (depth = 10 – 15 x bolt diameter) and clean holes. Fill holes 2/3 of the depth with KOSTER KB-Pox Adhesive. Insert bolts by rotation. Do not stress the bolts until the adhesive has fully cured. Protect from exposure to water and frost until fully cured.

Coverage

As adhesive for KOSTER Joint Tape:

1.35 lbs of KOSTER KB-Pox Adhesive per foot of KOSTER Joint Tape.

Cleaning

Fresh epoxy adhesive can be removed with KOSTER KB-Pox Cleaner. Cured material can only be removed mechanically.

Packaging

J 120 005

11 lb combipackage

Storage

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

Safety

Consult Safety Data Sheet. Avoid inhaling the vapors and contact with skin. Wear suitable protective clothing, gloves and eye/face protection. Adequate ventilation of the working area is recommended. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When using do not eat, drink, or smoke, and keep away from sources of ignition. For additional references to safety hazard warnings, regulations regarding the transport and waste management, refer to the Safety Data Sheet.

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

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.



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 Joint Tape 20	Art.-Nr. J 820 020
KOSTER Joint Tape 30	Art.-Nr. J 830 020
KOSTER Universal Cleaner	Art.-Nr. X 910 010

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