

KOSTER KB-Pox Adhesive

2 component, high performance, epoxy adhesive

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Features:

KOSTER KB-Pox Adhesive is a 2 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. Vertical and over head application is possible.

Technical Data:

Color of cured material	grey
Compressive strength	5800 psi
Flexural strength	3770 psi
Bond strength to concrete	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 in approx.	7 days
Application temperature	41°F to 95°F

Advantages:

- The A and B component have contrasting colors which minimizes the possibility of mixing faults.
- It contains no solvents.
- The paste-like, soft consistency is ideal for application on vertical areas and overhead.

Use:

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

Surface Preparation:

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: If necessary, the substrate has to be sanded or shot blasted to guarantee optimal adhesion of KOSTER KB-Pox Adhesive.

Metal surfaces: Must be blasted to near white.

Mixing:

Condition KOSTER KB-Pox Adhesive to room temperature. Premix the A and B components separately. Then add the B component to the A component and mix them until the mixture is uniform in color. For mixing, use a low speed mechanical mixing device with a suited mixing paddle.

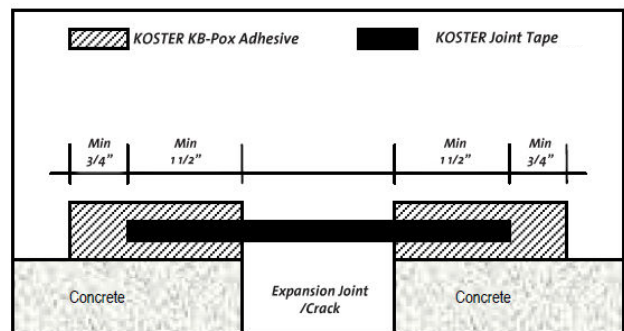
Application:

As an adhesive for KOSTER Joint Tape:

1. KOSTER KB-Pox Adhesive is applied to the prepared substrate on both sides of the joint so both sides of the KOSTER Joint Tape are embedded into the adhesive on a width of at least 1 ½" inch. The layer thickness of the KOSTER KB-Pox Adhesive should be approx. 0.08 inch.

2. The KOSTER Joint Tape is then immediately embedded into the fresh adhesive and pressed onto the adhesive using a hand roller or a similar suitable tool. Ensure the tape has good contact to the adhesive everywhere.

3. Then, a second layer of KOSTER KB-Pox Adhesive is applied on top of the KOSTER Joint Tape so that the edges of the KOSTER Joint Tape are overcoated on a width of min. 1 ½" inch. Also, apply KOSTER KB-Pox Adhesive so that it covers the substrate next to the tape on a width of at least ¾" inch.



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 it from exposure to water and frost until it is fully cured. Do not apply thicker layers than 1/8 inch.

As a chemical anchor:

Drill holes (depth = 10 – 15 x bolt diameter); clean holes (vacuum or dry pressurized air); fill 2/3 of holes with KOSTER KB-Pox Adhesive; insert bolts using a rotational movement. Do not stress the bolts until the adhesive has fully cured. Protect it from exposure to water and frost until it is fully cured.

Coverage:

As adhesive for KOSTER Joint Tape:
1.35 lbs of KOSTER KB-Pox Adhesive per foot of KOSTER Joint Tape.

Packaging:

11 lb combi package
A component – 8.8 lb
B component – 2.2 lb
Mixing ratio is A : B = 4:1 by weight

Cleaning of Tools:

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

Storage:

Store the material dry and cool; in originally sealed packages, it may be stored for 6 months.

Notes:

- Do not apply below 41°F or if temperatures below 41°F are expected within the next 24 hours.
- Do not apply the system on wet or frozen surfaces.
- Do not apply the system on dusting or weak surfaces. If in doubt, test the pull off strength.
- Cold temperatures prolong and hot temperatures shorten pot life and curing time of the epoxy adhesive.
- High levels of humidity may prevent proper curing of the epoxy adhesive.
- For application of the system as part of negative side waterproofing, please contact KOSTER Technical Services.
- In areas which are stressed by traffic, the system should be covered with protective metal plates.
- Do not add solvents, thinners or additional fillers.
- Do not apply on concrete which is younger than 3 - 4 weeks.
- If in doubt, test the adhesion before the application.

Caution:

A component – Irritant
B component – Corrosive, hazardous

Safety Precautions:

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 please refer to the relevant Material 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 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.