

KÖSTER® Bond Paste and Bond Paste TX

Epoxy based, 3 component mortar

- Official Test Certificate, İTÜ, Istanbul Technical University – Test Report of the Faculty of Construction No 68/30.01.2002

Product Description:

Turkish brand name > KÖSTER Bond Paste TX

KÖSTER Bond Paste is a 3 component, epoxy based, grout and adhesive. The material is available in two viscosities ;

Bond Paste ; the mixed material in flowable and self leveling form and is used for anchoring and adhesive application in the horizontal.

Bond Paste TX ; the mixed material is in tixotropic form and can be used wall and overhead applications.



Both types are solvent free, contain 100 % solids.

The material has high adhesion strength to concrete, mortar and metal. The cured material is resistant to water, diluted acids and alkalines, salt water, gasoline and mineral oils.

Applications:

- Structural bonding of anchors, starter bars, tie bars and similar
- Bonding of metal profiles to concrete

- Bonding of concrete, stone, metal and many other building products
- Adhesive for injection ports and sealant paste for covering cracks before injection (Bond Paste TX)

Technical Data:

Pot life ap. 40 min. (+20°C / 1 lt)

Curing time ap. 24 h (+ 23 °C and % 50 moisture)

Application temperature min. +8°C

Adherence (concrete surface) (21 days) 5,31 N / mm²

Adherence (metal surface) (21 days) 5,41 N / mm²

Compressive strength (28 days) EN 196-1 70,0 N / mm²

Flexural strength (28 days) EN 196-1 23,0 N / mm²

Color whitish

Instructions:

Surface Preparation:

Surfaces must be clean, sound and dry. On damp surfaces, adhesion test should be performed. Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds, waxes, form oil and similar contaminations should be cleaned or removed prior to application.

Concrete Surfaces: Sand - or shotblast or use other approved mechanical methods to guarantee maximum adhesion of epoxy adhesive.

Metal Surfaces: Must be cleaned to SA 2 ½ standart.

Preparation of Mixture:

Condition material to room temperature. Premix A and B components. Add B component to A component and mix until uniform in color. Slowly add C component and continue mixing until uniform color is obtained. Mixing should be done with low speed drill and mixing paddle.

Application of KÖSTER Bond Paste

As a Chemical Anchor: Drill holes (embedment depth = 10 - 15 x bolt diameter), clean hole (vacuum or dry pressurized air), fill 2/3 of hole with epoxy paste, insert bolt using a rotational movement. Do not place any stress on bolt until epoxy has fully cured. Protect from water and freezing until fully cured.

As a Structural Adhesive: Apply adhesive on both (prepared) substrates and press together. Apply pressure until fully cured. Do not move or apply stress until fully cured, protect from water and freezing. Do not apply thicker coats than 3 mm.

To Seal Cracks for Injection: Cover the crack and apply around injection ports with KÖSTER Bond Paste TX. Allow sufficient time for the epoxy paste to cure and withstand injection pressure.

Consumption:

KÖSTER Bond Paste TX _____ 1,50 g / cm³

Packaging:

KÖSTER Bond Paste TX _____ 5 kg SET



Cleaning of Tools:

Clean epoxy adhesive with a suitable epoxy thinner or solvent while still wet. Cured material can only be removed mechanically.

Notes:

- Do not apply below 8 °C or if temperatures below 5 °C are expected within 24 hours.
- Do not apply on wet or frozen surfaces
- Do not apply on dusting or weak surfaces. If in doubt, perform adhesion test.
- Cold temperatures lengthen and hot temperatures shorten pot life and curing time of epoxy adhesive.
- High levels of humidity might prevent proper curing of epoxy adhesive.
- Do not add solvents, thinners or additional fillers.
- If in doubt perform adhesion test before application.
- Do not apply on concrete which is fresher than 3-4 weeks.

Storage:

Store in dry conditions and at room temperatures, in original containers.

Shelf Life: 6 months.

Health and Safety:

Avoid inhaling the vapours 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, 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.

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KÖSTER YAPI KİMYASALLARI İNŞ. SAN. ve TİC. A.Ş. GEBKİM Kimya İhtisas OSB Atatürk Bulvarı No: 6 41455 DİLOVASI / KOCAELİ 16	
DOP NO: 036 EN 1504-6 KÖSTER Bond Paste TX Epoxy based, 3 component mortar Coating application	
Pull-off Resistance	0,85 mm
Chloride Ion Content	% 0,003
Glass Transition Temperature	≥ 55°C
Response to Fire	E
Dangerous Materials	Materials 5.3 appropriate

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