

KÖSTER® Bond Paste

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

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.

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	apr. 40 min. (+20°C / 1 lt)
Curing time	apr. 24 h (+ 23 °C and % 50 moisture)
Application temperature	min. +8°C
Adherence (concrete surface) (21 days)	5,31 N / mm ²
Adherence (metal surface) (21 days)	5,41 N / mm ²
Compressive strength (28 days) EN 196-1	70,0 N / mm ²
Flexural strength (28 days) EN 196-1	23,0 N / mm ²
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, efflorence, 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 1,50 g / cm³

Packaging:

KÖSTER Bond Paste 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.

CE	
KÖSTER YAPI KİMYASALLARI İNŞ. SAN. ve TİC. A.Ş. GEBELİM Kırsal İhtisas OSB Atatürk Bulvarı No: 6 41455 DİLOVAŞI / KOCAELİ 16	
DOP NO: 035 EN 15046 KÖSTER Bond Paste 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	F
Dangerous Materials	Materials 5.3 appropriate



T 704 / 1200.ENG

Legal Notes : This guide has been issued to provide details regarding the use and application of our products, which can be used in very wide and various areas and to demonstrate the general technical details. This information reflects the knowledge and expertise of our company and is of recommendation nature. Especially, the details regarding implementation and final use are provided with good will to cover the storage, handling and application of our products under normal and recommended conditions. Products, application surfaces, areas and application conditions vary in practice. Therefore, it is of utmost importance to make sure you are applying the right product, at the right conditions and places. Since KÖSTER cannot check how its products are used, it does not accept any responsibility regarding the results of the application and does not provide any guarantees. Information provided here or written/verbal information provided by KÖSTER employees should solely be considered as recommendation. KÖSTER employees to visit the application area do not create any supervisor responsibilities on our part. The product users (user) should test the suitability of the product they are planning to use for the respective application and purpose. KÖSTER has the right to modify its products without announcement. Acceptance of all orders is based on our current sale and transportation terms and conditions. Users should always consider the final version of the local Technical Sheet of the respective product, which can be obtained by applying to KÖSTER. Product users should act cautious and observe and protect their own interests and property rights. They are even obliged to act in this manner. This guide only covers KÖSTER products and is not valid for products of other companies. Only the written announcements of our company are valid regarding matters that require technical support provided by us. This technical document is valid until a new version is printed and supersedes all previous versions.

Revision Date: 04-01-2018