

KÖSTER® KB-Fix

High Performance, Epoxy Paste Adhesive

Product Description:

Turkish product name > KÖSTER KB-Fix

KÖSTER KB-Fix is a 2 component, epoxy based, high performance adhesive. The material is tixotropic and in paste form, contains no solvents and has 100 % solid content. The material has high adhesion strength to concrete, mortar, metal, wood and many other building materials and develops high early strength.

Vertical or over-head application is possible.



Applications:

- Adhesive for KÖSTER Flex Band
- Bonding of metal profiles to concrete
- Bonding of concrete, stone, metal, wood, GRP and many other building products
- Adhesive for injection ports and sealant paste for covering cracks before injection
- Grout bolts, dowels and pins (vertical and overhead)

Technical Data:

Color _____ grey (cured material),

Density _____ 1,80 g / cm³

Compressive strength (14 days) EN 196-1 40,0 N / mm²

Flexural strength (14 days) EN 196-1 26,0 N / mm²

Adherence _____ 3,70 N/ mm²

Mixing ratio (by weight) _____ A : B - 4 : 1

Pot life (23 °C / 1 lt) _____ apr. 65 min.

Advantages:

- A and B component in contrasting colors, possibility of mixing faults are minimized.
- Contains no solvents
- Pasty and soft consistency is ideal for wall and overhead applications

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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.

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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. Mixing should be done with low speed drill and mixing paddle.

Application of KÖSTER KB-Fix

As an Adhesive for KÖSTER Flex Band: Apply adhesive on both sides of the joint and press tape into wet adhesive. Apply a second coat of epoxy adhesive as a top coat.

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

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.

As a Chemical Anchor: Drill holes (embedding 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.

Consumption:

KÖSTER Flex Band application _____ apr. 2,0 kg / mt

Bonding applications _____ according to the need

Density _____ 1,80 g / cm³

Packaging:

KÖSTER KB-Fix _____ 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 5 °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: 12 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

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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	
1020 - CPR - 040 051990 / DOP NO: 031 EN 1504-3 KÖSTER KB Fix High Performance, Epoxy Paste Adhesive Coating application (PI) 3.1/4.4/7.2 Sınıf R2	
Compressive Strength	≥ 15 N/mm ²
Chloride Ion Content	≤ %0,05
Bond formed with adhesion	≥ 0,8 N/mm ²
Limited Shrinkage / Expansion	≥ 0,8 N/mm ²
Elasticity Module	25GPa
Response to Fire	E
Dangerous Materials	Materials 5.4 appropriate

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