

KÖSTER

Waterproofing Systems

T 704 / 0907.ENG

KÖSTER Adepoxy

Epoxy bonding agent for old-to-new concrete

Product Description:

Turkish product name > KÖSTER Adepoxy

KÖSTER Adepoxy is a two component, epoxy based, solvent free, factory blended and modified resin / hardener system.

It is used with the purpose of providing good adherence of new concrete layers to old concrete surfaces. Also repair mortar, patching mortar or screed layers can be bonded to old concrete, terazzo or similar surfaces.



Applications:

- Bonding fresh concrete layers to old concrete
- as an adhesive between old concrete surfaces and concrete-screed-plaster-repair mortar-mosaic etc
- Can be applied on vertical and horizontal surfaces.
- Can be used indoors and outdoors.

Technical Data:

Viscosity	(+20°C)	700 - 800 mPa.s
Density (in mixture)		app. 1,22 g / cm ³
Pot life	(+20°C / 1 lt)	40 minute
Curing time	(+23°C and % 50 moisture)	24 hours

Final chemical and physical values are reached at the end of 7 days.

Compression strength (28 days) EN 196-1 63,0 N / mm²

Bending strength (28 days) EN 196-1 22,0 N / mm²

Application temperature min. +10°C

Adherence (concrete) > 1,5 N / mm²

Mixing ratio 2 : 1 - A : B (weight)

Color transparent green

Instructions:

Surface Preparation:

The surfaces to be applied must be dry or slightly damp. Do not apply on wet and frozen surfaces.

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

Cracks and holes should be scraped to a depth of 2 cm before application.

It is good practice to roughen the old concrete surface to increase adhesion. Preparation can be done by mechanical means e.g. shot blasting or milling.

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. To avoid mixing errors transfer mixture to clean container and mix again for at least 1 minute.

Mixing should be done with low speed motor mixer and mixer tip.

KÖSTER

Waterproofing Systems

T 704 / 0907.ENG

If the mixture is to be made by hand it is advisable to prepare the mixture in smaller batches.

KÖSTER Adepoxy Application:

Apply the mixture to the prepared old concrete surfaces with a hard brush. Do not apply less than the specified consumption.

After application of the epoxy bonding agent but just before the pouring of the fresh concrete there should be a wet epoxy layer on the old concrete surface.

Immediately pour the new concrete onto the fresh epoxy bonding agent (wet-in-wet).

Note : If the epoxy bonding layers cures and turns into a glassy surface before pouring the new concrete it will not act as a bonding agent. In this case reapply a fresh coat of epoxy bonding agent and immediately pour the fresh concrete.

Consumption:

0,6-1,0 kg/m² (depending on the absorptivity of the old concrete)

Packaging:

KÖSTER Adepoxy

15 kg SET



Cleaning of Tools:

Immediately after application with KÖSTER Thinner No1.

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.

Storage:

Store in dry conditions and at room temperatures, in unopened 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.

 2184	
KÖSTER YAPI KİMYASALLARI İNŞAAT SAN. VE TİC. A.Ş. Kocaeli Gebze V GEBKİM Kimya İhtisas OSB, Atatürk Bulvarı No: 6 Dilovası 41455 KOCAELİ	
16	
2184- CPR - 0198 DOP NO: 030 EN 1504-3:2005 KÖSTER - Adepoxy Epoksi esaslı, eski-yeni beton yapıştırıcı Kaplama uygulaması (P)3.2/7.1/7.2 / Sınıf R3	
Başınç dayanımı (EN 12190)	≥ 45N/mm ²
Klorür İyonu İceriği (EN 1015-17)	≤ 0,05
Yapışma suretiyle oluşmuş bağ (EN 1542)	≥ 1,5 N/mm ²
Sıvılandırılmış bütünlüme/genleşme (EN 12617-4)	≥ 3,4 N/mm ²
Karbonatalşamaya direnç (EN 13295)	Uygun
Elastisite modülü (EN 13412)	≥ 15 GPa
Yanına Karşı Tepki (EN 13501-1)	E
Tehlikeli Maddeler	Madde 5.4'e uygun



T 704 / 0907.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: 19-01-2026