

KÖSTER® KB-Pox 008

Economic epoxy primer with performance enhancing filler

Product Description:

Turkish product name > KÖSTER KB-Pox 008

KÖSTER KB-Pox 008 is a solvent free, 2 component epoxy primer. The primer contains performance enhancing fillers and can be used as a primer or surface leveler for uneven concrete surfaces.

The primer can be used on concrete surfaces under coatings of KÖSTER KB-Pur 560/570, KB-Pur 214/215, KB-Pur 222/223, KB-Pox LF-VL/LF-VS/082/083ST/LF-VS Struktur.



Technical Data:

Compressive strength (15 day) EN 196-1 60,0 N / mm²

Tensile strength (15 day) EN 196-1 30,0 N / mm²

Adhesion (concrete rupture) min. 1,5 N / mm²

Viscosity 5.000 mPa.s (+23°C)

Density (mixing) app. 1,40 g / cm³

Pot Life 40 minute (+20°C / 1 lt)

Fully cured in 24 hour (+23°C, % 50 R.H)

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

Application temperature min. +10°C

Mixing ration 4 : 1 – A : B (by weight)

Instructions:

Surface preparation:

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

Surfaces must be prepared by mechanical means e.g. Blastrac shot blasting.

Minimum requirements

- Free of cement laitance, dust, oil, fat and other contaminants
- Open textured, absorbent surface
- Pull of strength min 1,5 N/mm²
- Concrete residual moisture max. 4%

Do not apply on concrete surfaces with rising damp conditions.

Prior to, during and after the application the temperature of the substrate must be at least +3°C above the current dew point temperature.

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. Transfer mixture to clean container and mix again for at least 1 minute.

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

Depending on the conditions, we recommend application of a primer and a scratch coat or a filled primer.

As a primer, do not add any fillers.

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Waterproofing Systems

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As a scratch coat add clean, dry quartz sand ($\varnothing$ 0,1 – 0,4mm > KÖSTER MO 30) to the mixed material (apr. 1 part KÖSTER KB-Pox 008 and 0,5 – 0,8 parts sand by weight).

As a filled primer add clean, dry quartz flour ($\varnothing$ 0,1 mm) to the mixed material (apr. 1 part 002 and 1 part quartz by weight)

Application of KÖSTER KB-Pox 008:

1. Apply the unfilled material (as a primer) using a rubber squeegee to spread the material evenly and back roll with a paint roller.
2. Apply the filled material (as a scratch coat or filled primer) using a trowel or notched craper. The applied material must always be lightly sprinkled with clean, dry quartz sand (apr.1,0 kg/m²).

Application of subsequent layers:

Waiting time before application of subsequent layers depends on temperature and humidity. Under normal conditions subsequent layers should be applied after 24 hours. Do not exceed 48 hours.

Consumption:

KÖSTER KB-Pox 008 (Primer) 0,30 – 0,60 kg/m²

Packaging:

A + B 20 kg SET

A Component 16 kg tin bucket

B Component 4 kg tin bucket



Cleaning of Tools:

Clean epoxy with a suitable epoxy thinner or solvent like Xylene 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.

Cold temperatures lengthen and hot temperatures shorten pot life and curing time of material.

High levels of humidity might prevent proper curing of epoxy material.

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 unopened 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 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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Chemical Resistance	
Motor oil	+
Hydraulic oil	+
Pure water	+
Acetic acid %10	+ Loss of color
Sulfuric acid %10	+ Loss of gloss
Sulfuric acid %30	+ Loss of gloss
Caustic soda %20	+
Xylene	-
Solvent naphta	+
Gasoline	+
Diesel	+
Fruit juice	+
Sugar water solution	+
Ammoniac 5%	+
Phosphoric acid%25	+ Loss of color
Hydrochloric acid %10	+
Hydrochloric acid %30	+ Loss of gloss
Formaldehid %37	+
Formic acid %2	+ Loss of color
Lemon juice	+ Loss of color
Vinegar %6	+ Loss of color
Boric acid %4	+
Nitric acid %10	+ Loss of color

Lactic acid %10	+ Loss of gloss
Samples were immersed in chemical for 45 days at 23°C, %50 RH.	

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KÖSTER YAPI KİMYASALLARI İNŞAAT SAN. ve TİC. A.Ş. Kocaeli Gebze V GEBKİM Kimya İhtisas OSB, Atatürk Bulvarı No: 6 Dilovası 41455 KOCAELİ	
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2184 – CPR – 0197 DOP NO: 053 EN 1504-2: 2004 KÖSTER – KB-Pox 008 Kaplama uygulaması (C) 2.2 Epoksi esaslı çift bileşenli astar ve kaplama ürünü	
Su Buharı Geçirgenliği (EN ISO 7783-1, EN ISO 7783-2)	SINIF I
Çekip koparma deneyi yoluyla yapışma dayanımı (EN 1542)	Trafik yükü ile birlikte Çatlak kapatma veya esnek sistemler $\geq 1,5 \text{ N/mm}^2$ (1,0) ^b
(EN 13501-1) Yangına Karşı Tepki	E
Kapiler su emme ve su geçirgenliği (EN 1062-3)	$w < 0,1 \text{ kg/m}^2 \cdot \text{h}^{0,5}$
Tehlikeli Maddeler	Madde 5.3'e uygun

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