

KÖSTER® KB-Pox 082

Epoxy based, solvent-free floor and wall paint

Product Description:

Turkish product name > KÖSTER KB-Pox 082

KÖSTER KB-Pox 082 is a epoxy based, 2 component, solvent-free and thin layer coating for floors and walls.

The materials easy application properties give it a wide range of application possibilities. In combination with suitable primers like KÖSTER KB-Pox 002 it is possible to create economic and high quality flooring systems for industrial applications with a good visual optic and mechanical resistance.

KÖSTER KB-Pox 082 is also suitable to be applied on broadcast coating systems.



Standard Colors:

RAL 7001, RAL 7003, RAL 7004, RAL 7015, RAL 7023, RAL 7030, RAL 7032, RAL 7033, RAL 7034, RAL 7035, RAL 7036, RAL 7037, RAL 7038, RAL 7040, RAL 7042, RAL 7045, RAL 7047

Please contact us for other colours.

Applications:

Economical industrial floor and wall coating in areas like production plants, sales rooms, warehouses.

Technical Data:

Viscosity app. 1200 mPa.s (+23°C)

Pot life app. 35 minute (+20°C / 1 lt)

Density (mixing) app. 1,87 g / cm³

Curing time app. 24 hour (+ 23 °C ve % 50 moisture)

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

Application temperature min. +10°C

Compressive strength (15 days) EN 196-1 84,0 N / mm²

Tensile strength (15 days) EN 196-1 36,5 N / mm²

Mixing ratio 7 : 1 – A : B (by weight)

Adherence 4,2 N / mm²

Chemical Resistance:

Name of Chemical	Resistance
Motor oil	+
Hidrolic fluid	+
Pure water	+
Acetic acid % 10	-
Sulphuric acid % 10	+ (loss of color)
Sulphuric acid % 30	+ (loss of shine and color)
Caustic soda % 20	+
Xylene	-
Solvent naphta	+
Javel water % 14	+
Gasoline	+
Fruit juice (bottled)	+
Sugar solution	+

Note : 23 °C ve % 50 R.H. conditions, tested for 45 days (if not noted otherwise)

Characteristics:

- Tough hard
- High mechanical resistance
- High abrasion resistance
- Physiological harmless after curing

Instructions:

Surface preparation:

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.

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

Minimum requirements are ;

- 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.

Application of Primer / Scratch Coat:

Depending on substrate conditions the surface must be prepared non-porous by applying a primer and / or scratch coat with KÖSTER KB-Pox 002 and KB-Pox 008, which must be lightly sprinkled with clean, dry quartz sand.

After curing, remove excess sand carefully.

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.

Application of KÖSTER KB-Pox 082:

Use a roller to apply KB-Pox 082 evenly with the same layer thickness.

After 24 hours of curing apply a second coat.

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

Apply in two layers with a consumption on apr. 300g/m² each layer.

Consumption:

KÖSTER KB-Pox 082 (1-2 layer) 0,30 – 0,60 kg / m²

Packaging:

KÖSTER KB-Pox 082 24 kg SET

A component 21 kg

B component 3 kg



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

- Do not add solvents or thinners.
- 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.

 1020	
KÖSTER YAPI KİMYASALLARI İNŞ. SAN. ve TİC. A.Ş. GEBKİM Kimya İhtisas OSB Atatürk Bulvarı No: 6 41455 DİLOVASI / KOCAELİ 16	
1020 - CPR - 040 051 989 DOP NO: 017 EN 1504-2 KÖSTER KB-Pox 082 Epoxy based, solvent-free floor and wall paint Coating application (C) 1.3/2.2	
Permeability to Water Vapour	Class I
Permeability to CO ₂	CO ₂ sd > 50 m
Capillary absorption and permeability to water	W < 0,1 kg/m ² .h 0,5
Pull-off	With traffic load Grade dolere or flexible Systems < 1,5 N/mm ² (1/08)
Response to Fire	E
Dangerous Materials	Materials 5.3 appropriate

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.