

# KÖSTER® KB-Pox LF-VS

## Epoxy based, floor and wall paint

### **Product Description:**

Turkish product name > KÖSTER KB-Pox LF-VS

KÖSTER KB-Pox LF-VS 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 LF-BM 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 LF-VS 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. 1,55 g / cm<sup>3</sup>

Curing Time app. 24 hour (+ 23 °C and % 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 62,0 N / mm<sup>2</sup>

Tensile strength (15 days) EN 196-1 30,0 N / mm<sup>2</sup>

Mixing ratio 5 : 1 – A : B (weigh)

Adherence 4,3 N / mm<sup>2</sup>

### **Chemical Resistance:**

Name of Chemical	Resistance
Motor oil	+
Hidrolic fluid	+
Pure water	+
Acetic acid % 10	+(loss of shine)
Sulphuric acid % 10	+(loss of shine)
Sulphuric acid % 30	+(loss of shine and color)
Caustic soda % 20	+
Xylene	+(15 days)
Solvent naphta	+
Javel water % 14	+
Petrol / super	+
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/mm<sup>2</sup>
- Concrete residual moisture max. 4 %

Do not apply on concrete surfaces with rising damp conditions.

### **Application of Primer / Stratch Coat:**

Depending on substrate conditions the surface must be prepared non-porous by applying a primer and / or scratch coat with 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 LF-VS**

Use a roller to apply KB-Pox LF-VS 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.

## **Consumption:**

KÖSTER KB-Pox LF-VS (1-2 layer) 0,25 – 0,50 kg / m<sup>2</sup>

## **Packaging:**

KÖSTER KB-Pox LF-VS 18 kg SET

A component 15 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.



T 704 / 1002.ENG


### **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.

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<b>KÖSTER YAPI KİMYASALLARI</b> <b>İNŞ. SAN. ve TİC. A.Ş.</b> <b>GEBKİM Kimya İhtisas OSB</b> <b>Atatürk Bulvarı No: 6 41455</b> <b>DİLOVASI / KOCAELİ</b> <b>16</b>	
<b>1020 - CPR - 040 051989</b> <b>DOP NO: 016</b> EN 1504-2 <b>KÖSTER KB-Pox LF-VS</b> Epoxy based, floor and wall paint Coating application (C) 2.2	
Permeability to water vapour	Class II
Capillary absorption and permeability to water	$W < 0,1 \text{ kg/m}^2 \cdot \text{h} \cdot 0,5$
Pull-Off	Crack closure or flexible systems without traffic load $\geq 0,8 \text{ N/mm}^2 (0,5 \text{ f})$
Response to Fire	E
Dangerous Materials	Materials 5.3 appropriate

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