

## Solvent free epoxy flooring system

### PRODUCT

**weberfloor epobat - K** is a high-build solvent-free two component epoxy coating system, specially formulated to be abrasion and chemical resistant.

It can also be applied as a smooth coating, or anti-skid multi thickness epoxy flooring systems.

**weberfloor epobat - K** is impermeable to water and other liquids.

### SCOPE OF USE

- Indoor car parks.
- Bridge decks
- Industrial floors
- Food industry floors
- Warehouses
- Service stations
- Chemical plants
- Metal treatment plants
- Machinery service areas

### ADVANTAGES

- Waterproof.
- High abrasion and slip resistant surface.
- Anti-carbonation and stops chloride ion diffusion.
- Hygienic, anti-bacterial and fungus growth.
- Odorless.
- Suitable for hot climates.

### CHARACTERISTICS

Form	Liquid
Color	Grey, yellow, red and others
Solids Content, %	100
Mixed Density (ASTM D 1475) kg/ltr @ 25°C	1.65±0.02
Pot life (ASTM D 2471) min @ 25°C	37±3
Touch dry time (ASTM D 2471) hrs @ 25°C	7±10 min
Overcoat time hrs @ 25°C	12-36
Full Cure time (ASTM D 1640) days @ 25°C	7
Adhesion to concrete (ASTM D 4541) N/mm <sup>2</sup>	>2.5
Water Absorption (ASTM C 413) %	<0.037
Shore D Hardness (ASTM D 2240)	≥85
Tensile Strength (ASTM D 2370) N/mm <sup>2</sup>	33±1
Flexural Strength N/mm <sup>2</sup>	52±1
Abrasion Resistance (ASTM D 4060)	65 mg/1000 cycles (C10 wheels)



### PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
-	-	-	-	-	-	5 Kg	-
-	-	-	-	-	-	13 Kg	-
-	-	-	-	-	-	26 Kg	-

### INSTRUCTIONS FOR USE

#### SUBSTRATE PREPARATION

All surfaces should be clean, dry, free from grease, laitance, oil or dust. Remove all loose material.

Moisture content should not exceed 5%. New concrete should be at least 28 days old. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothened.

If the substrate is nonporous or surface activated, using of primer is not normally required (only for roller coating system, where 400 microns are required).

If the substrate is porous, it is recommended to apply one coat of **weberfloor eposil plus**.

For thick application, the primer usage is a must.

#### PRODUCT PREPARATION

Mix the two parts for 2 - 3 minutes by an electric mixer with low rotation speed (< 300 rpm).

The epoxy must be well mixed to ensure proper chemical reaction. After mixing, apply immediately.

#### PRODUCT APPLICATION

**weberfloor epobat - K** is applied using a brush, a roller, an airless sprayer or a notched trowel in two coats. Apply

**weberfloor epobat - K** to the required film thickness. It is recommended to achieve two coats within 24 hours, to have the best results.

For anti-slip surfaces, fine sand must be broadcasted on the second coat while it is still wet. The surface is allowed to cure for at least 24 hours and apply the top coat with a medium texture roller. Care should be taken to ensure that continuous film is achieved and all grains are completely covered and coated by the epoxy mixture.

**Note: Don't apply weberfloor epobat - K if the temperature of the surface is below 5 °C or over 40 °C.**

**Cleaner and Thinner: Contact company for advice.**

## CONSUMPTION AND COVERAGE

The coverage rates are given for guidance only.

Actual rates basically depend on substrate porosity, and roughness.

Coating System	DFT (micron)	Product	Consumption
Primer (optional for roller system)	125	<b>weberfloor eposil plus</b>	0.150 kg/m <sup>2</sup>
	75 (theoretically)	<b>weberfloor eposil</b>	0.100 kg/m <sup>2</sup> (The concrete surface greatly affects coverage rate)
Roller coat / Sealer	200/coat	<b>weberfloor epobat - K</b>	0.330 kg/m <sup>2</sup> /coat
Anti slip coat ( fine broadcast )	750 - 1500	<b>weberfloor epobat - K</b> (1st coat) Silica sand (0.75 – 1.5 mm) (broadcasted)	0.330 kg 1.500 kg
		<b>weberfloor epobat - K</b> (2nd coat)	0.300 kg /m <sup>2</sup> @ 800 mic
Anti slip coat ( medium broadcast )	1500 - 2000	<b>weberfloor epobat - K</b> (1st coat) Silica sand (1.5 -2mm) (broadcasted)	0.330 kg 1.500 kg
		<b>weberfloor epobat - K</b> (2nd coat)	0.400 kg /m <sup>2</sup> @ 1000 mic
Anti slip coat (Coarse broadcast)	2000 - 2500	<b>weberfloor epobat - K</b> (1st coat) Silica sand (2 – 2.5 mm) (broadcasted)	0.500 kg 3.500 kg
		<b>weberfloor epobat - K</b> (2nd coat)	0.500 kg /m <sup>2</sup> @ 1000 mic

## STORAGE

One year after manufacturing date in its original packing non open and in dry cool area.

## SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source. Wear protective gear for hands and eyes and avoid breathing of vapor. If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water. In case of heavy vapor inhalation, place

affected person in an open-air area. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In all cases, seek medical attention. In case of fire, use CO2 foam to extinguish. Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.

## DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their

application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

## NOTE

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PG:22

\*Available only in KSA