

## Epoxy primer, water based

### PRODUCT

**weberprim EP 2K** is a transparent, rigid, two component epoxy primer. Water-based, used as a universal primer in waterproofing, sealing and floor coating applications on absorbent and non-absorbent surfaces. Cures by reaction (cross linking) of the two components.

### SCOPE OF USE

The **weberprim EP 2K** is mainly used as a primer for polyurethane waterproofing coatings, polyurethane joint sealants and polyurethane and epoxy floor coatings on non-absorbent surfaces like:

- Power floated concrete
- Metal (various)
- Asphalt
- Bitumen felts
- Ceramic Tiles
- Glass
- Old Acryl-based coatings, etc.

**Weberprim EP 2K** can also be used as:

- A primer on absorbent surfaces like concrete, mortar, plaster, etc.
- A Primer for cement base flooring product (concrete floors, screed, self leveling, etc..)
- A vapor-barrier under smoothing, thin and thick mortars.

### ADVANTAGES

- Simple application (roller or brush).
- Low Odor
- Excellent anchoring to absorbent and non-absorbent surfaces.



### PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
4 kg	4 kg	4 kg	4 kg	4 kg	4 kg	4 kg	4 kg
20 kg	20 kg	20 kg	20 kg	20 kg	20 kg	20 kg	20 kg

- Vapor barrier property
- Can be applied on moist surfaces, without loss of adhesion.
- Resistant to stagnating water.
- Can be diluted with water.
- Provides high tensile and impact strength.
- Heat and frost resistant
- Stops the creation of dust.
- Chemical resistant.

### CHARACTERISTICS

Property	Results	Test Method
Color	Milky yellow	
Composition	Epoxy resin + Hardener. Water	
Mixing ratio	A/B = 3:1	
Adhesion to aluminium	>2 N/mm <sup>2</sup>	ASTM D 903
Adhesion to concrete	>1.8 N/mm <sup>2</sup> (concrete failure)	ASTM D 903
Hardness (Shore A scale)	>95	ASTM D 2240
Resistance to water pressure	No Leak (1m water column, 24h)	DIN EN 1928
Service Temperature	-30°C to +90°C	Inhouse Lab
Application Temperature	10°C to 35°C	Conditions: 20°C, 50% RH
Pot Life	45-50 min	Conditions: 20°C, 50% RH
Overcoating time	6-12 hours	Conditions: 20°C, 50% RH
Final Curing time	7 days	Conditions: 20°C, 50% RH

## INSTRUCTIONS FOR USE

### SURFACE PREPARATION

All surfaces should be clean, dry, free from grease, oil or dust. Remove all loose material. Moisture content should not exceed 5%. Substrate compressive strength should be at least 25MPa, cohesive bond strength at least 1.5MPa. Old loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. Any loose surface pieces and grinding dust need to be thoroughly removed.

**WARNING:** Do not use a metal-ball blasting machine to grind the surface, because the heavy metal-ball impacts destroy the cohesion of the concrete surface and lower its stability.

### PRODUCT PREPARATION

**weberprim EP 2K** component A and component B should be mixed by low speed mechanical stirrer, according to the mixing ratio, for about 3-5 min. The mixing of the components has to be effected very thoroughly, especially on the walls and bottom of the pail until the mixture becomes fully homogeneous. Dilute mixture with 15-25% of clean water, to regulate viscosity.

### PRODUCT APPLICATION

Apply **weberprim EP 2K** diluted (15-25% clean water) by roller or brush, until the surface is covered.

After approx. 6-12 hours (not later than 24 hours) and while the primer is still a bit tacky, apply the polyurethane coating finish. If the surface is very brittle, like lightweight concrete or porous cement screed, apply two layers of **weberprim EP 2K**. For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

If during this period the surface is subject to rain water, allow max. 3 days to apply the product.

In case the product is used as a primer on absorbent surfaces such as concrete or as a primer for cement base flooring product (concrete floors, screed, self leveling, etc.) or as a vapor-barrier under smoothing, thin and thick mortars, roughen the substrate by scattering silica sand on the product second layer.

As soon as the first coat can be walked on, apply a second coat at a rate of approx. 100 to 200g/m<sup>2</sup>, then Scatter silica sand (0.3 – 0.8 mm) without delay, on the whole surface up to saturation at a rate of 3 kg/m<sup>2</sup>.

After at least 24 hrs, remove the excess sand by sweeping and vacuuming off the excess then apply the self-leveling products according to the manufacturer recommendations.

## CONSUMPTION

100 - 200 gr/m<sup>2</sup> in one or two layers.

This coverage is based on practical application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature, humidity, application method and finish required, affect highly the consumption ratio.

## STORAGE

18 months from manufacturing date, stored in a dry and cool rooms in their original and unopened packaging. Protect the material against moisture and direct sunlight. Storage temperature: +5°C - +30°C

## 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 CO<sub>2</sub> 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.

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