



# weberfloor epocoat (Jordan)

High build solvent free heavy duty epoxy floor coating

*Flooring*

Leb	Egypt	Jordan	UAE	Qatar	Kuwait	KSA	Oman
-	-	26.1kg	-	-	-	-	-

## PRODUCT

**weberfloor epocoat** is a two-component, very low VOC, pigmented solvent-free epoxy floor coating with excellent leveling and a durable seamless surface. This product is specially formulated as a heavy-duty floor coating for basement, warehouses, industrial factories, ground floors, car parks and traffic decks, with no structural movement. It is consisting of pre-weighed colored resin and hardener components. Once treated with sand, **weberfloor epocoat** provides a hard wearing and abrasion resistant floor finish.

**weberfloor epocoat** could be applied as coating or as anti-skid. For anti-skid system application, it is advisable to use **weber silica sand**, **weberfloor Sil S** (0.3mm>1mm) at the rate of 0.5 to 1kg per m<sup>2</sup> approx.

## SCOPE OF USE

**weberfloor epocoat** is specially designed for a wide range of heavy duty use, with various levels of mechanical and chemical exposure.

- Indoor car parks
- Traffic decking
- Industrial floors
- Car production and workshops
- Food and beverage industry floors

- Warehouses and storage facilities
- Service stations and maintenance areas
- Hospitals, laboratories and chemical plants
- Metal treatment plants
- Machinery service areas

## ADVANTAGES

- Waterproof
- Impermeable
- Long pot life
- Anti-fungal
- Excellent hiding capability
- Easy application by brush, roll or squeegee
- High wear, abrasion and slip resistant
- Solvent free providing odorless floor coat after dry
- Suitable for use in hot and tropical climate conditions
- Protection against oils, lubricants and fuels
- Resistant to a wide range of chemicals and acids

CHARACTERISTICS	
Form	Liquid
Colors	Grey, yellow, red, ivory and others
Density A+B (ASTM D-1475) @25°C	1.4±0.05kg/lit
Solid content (@25°C, 50% relative humidity)	100% by volume
Pot life (ASTM D-2471) @25°C	45min @25°C

Setting time (ASTM D 1640-03) @25°C	2hrs @25°C
Foot traffic (application temperature 20°C to 35°C)	24 hours
Heavy traffic (application temperature 20°C to 35°C)	2 to 3 days
Max over coating delay @25°C	24hrs
Full Cure time (ASTM D1640) @25°C	7 days
Compressive Strength at 7 days ASTM C579-23	>90N/mm <sup>2</sup>
Flexural Strength at 7 days ASTM C580-18(2023)	>25N/mm <sup>2</sup>
Adhesion Strength at 7 days ASTM D4541-22	>3N/mm <sup>2</sup> (Substrate failure)
Tensile Strength at 7 days ASTM D638-22	>11N/mm <sup>2</sup>

## APPLICABLE STANDARDS

**weberfloor epocoat** was tested in accordance with:

ASTM C579-23  
ASTM C580-18(2023)  
ASTM D4541-22  
ASTM D638-22

## INSTRUCTIONS FOR USE

### SUBSTRATE PREPARATION

All surfaces should be clean, dry, and free from grease laitance, oil, dust, paint and any other substance that may prevent or reduce adhesion. New concrete should be at least 28 days old, moreover, moisture content of the substrate should be <5%.

Remove all weak, loose, smooth or broken pieces of concrete, until reaching a sound rough concrete. This can be achieved primarily by blasting or grinding. The prepared surface must have an average "surface tensile adhesion strength" greater than 1MPa. Moreover, it should have a CSP (concrete surface profile) of 3 to 5. Thereafter substrate must be crack free, thus, any crack must be repaired prior to application with the appropriate epoxy-based material according to the crack dimensions. Depending on substrate conditions, deeper ruptures and cracks must be filled with **weberfloor epopatch** (up to 3mm) and **weberfloor epolevel** (3 to 10mm), freshly scattered with sand, to increase the bonding and create a strong mechanical key. *(For more details, please refer to the above-mentioned products data sheets).*

Once the substrate is well prepared, it must be dust free, preferably using a vacuum machine, prior to **weberfloor epocoat** application.

After substrate preparation, clean all joints thoroughly then apply masking tape either side of the joint to protect surfaces from primers and excess of material. Backer Rod should be pressed into the joint, allowing a sealant depth of around 1.5cm, then inserts or pour the sealant such as **weber jointseal PU** or **weber seal PS 1000 PG** into the joint.

WARNING: Do not wash the substrate with water at any time!

### Priming:

If the substrate is sound, untreated and nonporous, the primer application is not normally required. In case of any doubts concerning the quality of the substrate, or its porosity, applying the primer will be required.

For high porous substrates, it is recommended to apply a solvent free primer such as **weberfloor epoprime SF** or **weberfloor eposil plus**. As for low porous substrates, it is recommended to apply a solvent based primer such as **weberfloor eposil**.

The primer should be left to achieve a tack-free condition before applying **weberfloor epocoat**. A second coat of primer may be required if the substrate is excessively porous. For thick application, the primer usage is a must.

### PRODUCT PREPARATION

Pour Part B over Part A, mix the two parts for 2-3 minutes using an electric mixer with low rotation speed (<300rpm).

**weberfloor epocoat** must be well mixed to ensure proper chemical reaction. After mixing, keep the mix to rest for 2 minutes before the application.

Do not add solvent, water or thinner at any time during the mixing or the application.

### PRODUCT APPLICATION

**weberfloor epocoat** can be applied by using a brush, a roller, an airless sprayer or a squeegee where higher application thickness is required. The first coat from **weberfloor epocoat** should be applied with a minimum film thickness of 200 microns. When the base coat has reached initial cure (within maximum 24 hours depending on the temperature), the top coat can be applied at minimum film thickness of 200 microns. For anti-slip surfaces, fine sand must be spread on the first coat while it is still wet. The surface should be cured for at least 24 hours; the excess of aggregates should be vacuum cleaned from the surface then apply the 2<sup>nd</sup> 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 with the epoxy mixture. The optional slip resistant texture is provided by the range of the coarse sand selected.

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

**weberfloor epocoat** could be applied externally, however, it should be protected with at least 2 coats of a UV stable polyurethane coating, such as **weberfloor topcoat PU** or **weberfloor 220 PU**, not more than 48 hours.

### CONSUMPTION AND COVERAGE

The coverage rates are given for guidance only. Actual rates basically depend on substrate porosity, and roughness.

**weberfloor epocoat** is 18lit pack, covers Approx. 5m<sup>2</sup> per liter @200 Microns DFT per coat.

### CLEANING

Tools and equipment should be cleaned with **weberfloor epo thinner** immediately after use.

### 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 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

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