weberfloor epocoat

High build solvent free heavy duty epoxy floor coating

Flooring

Leb	Egypt	Jordan	UAE	Qatar	Kuwait	KSA	Oman
-	20kg	-	-	-	-	-	-

Part A: 16.95kg
Part B: 3.05kg

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** (≈0.3 to 1mm) at the rate of 0.5 to 1kg per m^2 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
- 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 diluted acids.

CHARACTERISTICS	
Form	Liquid
Colors	Grey, yellow, red, green, blue and others
Density A+B (ASTM D-1475) @25°C	1.35±0.05kg/liter

Solid content (@25°C, 50% relative humidity)	100% by volume
Pot life (ASTM D-2471) @25°C	45min.
Setting time (ASTM D 1640-03) @25°C	3hrs.
Max over coating delay @25°C	24hrs.
Light traffic use after	24hrs.
Full cure time (ASTM D1640) @25°C	7 days
Adhesion strength at 7 days (ASTM D7234)	>3 Mpa (depending on substrate strength and condition)
Compressive strength at 7 days (ASTM C579)	>60 Mpa
Flexural strength at 7 days (ASTM C580)	Approx. 40 Mpa
Tensile strength at 7 days (ASTM D638)	>15 Mpa
Abrasion resistance (ASTM D4060, Wheel Cs 17, Load of 1000g per wheel)	45mg/1000 cycles
Shore D hardness at 7 days (ASTM D2240)	>85
Water absorption (ASTM D570)	Approx. 0.04

APPLICABLE STANDARDS

weberfloor epocoat was tested in accordance with:
ASTM D-1475, ASTM D-2471, ASTM D 1640-03
ASTM D7234, ASTM C579, ASTM C580
ASTM D638, ASTM D2240, ASTM D570

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. Therafter 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 **weberep epo 412 CRY plus** (up to 3mm), 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 2nd 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.

CONSUMPTION AND COVERAGE

The coverage rates are given for guidance only. Actual rates basically depend on substrate porosity, and roughness.
weberfloor epocoat is 20kg pack, covers Approx. 3.5 to 4m^2 per 1Kg @200 Microns DFT per coat.

CLEANING

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

STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

SAFETY PRECAUTIONS

Application should be done in a ventilated area away from any heat source and avoid prolonged contact with skin. Wear goggles with side shields, protective gloves and respiratory mask. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In both cases seek medical attention. The product is non-flammable. For further and complete information about the product's safety please refer to the safety data sheet.

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

SAINT-GOBAIN