

Solvent free epoxy easy leveling for flooring system

PRODUCT

weberfloor epopark is a solvent free, three component epoxy resin easy leveling, designed for leveling and coating interior concrete floors and to provide continuous protection for concrete floors. This product is aesthetically pleasing, moreover, practical for various commercial, industrial, and residential settings, where flowable consistency, excellent abrasion and chemical resistance is needed. **weberfloor epopark** provides a smooth, seamless, and highly durable surface and can be applicable from 3 to 10 mm thickness.

SCOPE OF USE

- Industrial facilities
- Commercial spaces
- Healthcare facilities
- Garages workshops
- Automotive workshops
- Petrochemical Plants
- Chemical Plants

CHARACTERISTICS

Color	Several colors
Density	1.95+/-0.1 g/cm ³
Pot Life	1 hour @ 20°C
Drying time for 3 mm.	
Tack free	4 hours 30 min
Pedestrian traffic	48 hours Road traffic
traffic	7 days
Over coating time For 3 mm (BS 1881 Part 107)	Min. 48 hours - max. 7 days
Description	3-components epoxy mortar
Composition	Resin, Hardener, selected fillers
Finish	Gloss
Thinner	No thinning
Water absorption @ 14 days (ASTM C 413)	0.14%
Compressive Strength (ASTM C579) @ 3 days and 40°C	87 MPa
Flexural Strength (BS 4551) @ 3 days and 40°C	17 MPa
Tensile Strength (ASTM C 807) @ 3 days 40°C	13 MPa
Tensile Strength (ASTM C807) @ 14 days 40°C	15 MPa
Bond Strength on concrete (BS 1881 part 207) @ 14 days	> 2.8 MPa



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
275 kg	275kg	275 kg	275 kg	275 kg	275 kg	275 Kg	275kg
Not colored: 20 kg kit (3.4 kg epoxy + 16.6 kg fillers).							
Colored: 275 kg kit (12.6 kg Epoxy + 14.9 kg fillers).							

VOC and formaldehyde content ISO/FDIS 11890-2/GC-MSINSTRUCTIONS

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

New concrete should be at least 28 days old. All surfaces should be clean, dry, and free from grease laitance, oil, dust, paint and any other substance that may prevent or reduce adhesion. 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 by grinding or shot-blasting. The prepared surface must have an average "Surface tensile adhesion strength" > 1MPa. Moreover, it should have a CSP (concrete surface profile) of 3 to 5.

Concrete 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 3 mm) and **weberfloor epolevel** (3 to 10 mm), 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 epopark** application.

WARNING: Do not wash the substrate with water at any time! 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 1.5 cm, then insert or pour the sealant such as **weber jointseal PU** or **weber seal PS 1000 PG** into the joint.

Note: **weberfloor epopark** could be applied without joints, however, in case control ,expansion or construction joints exist in the substrate, it should be copied and maintained through **weberfloor epopark**.

PRIMING:

The usage of primer is a must prior to **weberfloor epopark** application. For high porous substrates, it is recommended to apply **weberfloor eposil plus**, however for low porous substrates apply **weberfloor eposil** instead.

The primer should be left to achieve a tack-free condition before applying **weberfloor epopark** and must be covered within max 24 hours.A second coat of primer may be required if the substrate is excessively porous.

If due to some site conditions, the primer could not be covered with **weberfloor epopark** within 24 hours, a second anti-skid primer layer must be applied using the same primer treated with weber silica sand, **weberfloor sil s** 0.1-0.4 mm, while the primer coat is still wet.

Substrate must always be clean and dust free, before applying the second anti-skid primer and before applying **weberfloor epopark**

PRODUCT PREPARATION

Pour Part B over Part A, then mix the two parts hardener and resin using an electric mixer with low rotation speed (< 300 rpm).To obtain a uniform epoxy mortar compound, gradually add the graded aggregates to the epoxy fluid while mixing for 2 to 3 minutes.

PRODUCT APPLICATION

weberfloor epopark could be applied as a easy leveling or for bedding and grouting.

Easy-leveling:

After the surface has been prepared, and the product is well mixed, pour out mixed material onto the floor then evenly spread it out using a rake or squeegee. Ensure that the surface is levelled using a calibrated rake. Check the thickness and eliminate entrapped air using a spiked roller in two crossed passes. **weberfloor epopark** needs at least 30 minutes at 20°C to set during this period ,the product must

not be touched or adjusted.

Bedding and Grouting:

Pour **weberfloor epopark** continuously, in one direction to avoid air pockets.The choice of installation method depends on the grouting thickness and the length of the machine.

CONSUMPTION

6 Kg/m²/3 mm thickness.

STORAGE

12 months 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.

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