

Solvent free epoxy mortar for flooring system

PRODUCT

A solvent free three component epoxy mortar designed to provide continuous protection for concrete floors. **weberfloor epopark** provides a flowable consistency that can be applied up to 10mm thickness. It provides excellent abrasion and good chemical resistance.

SCOPE OF USE

- Automobile production units, Aircraft manufacturing industries
- Industrial and commercial warehouse
- Pharmaceutical and food factories

CHARACTERISTICS

Color	Brown
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	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
VOC and formaldehyde content ISO/FDIS 11890-2/GC-MS	None (<10µg/l)



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
20 Kg	20 Kg	20 Kg	20 Kg	20 Kg	20 Kg	20 Kg	20 Kg
275 Kg	275 Kg	275 Kg	275 Kg	275 Kg	275 Kg	275 Kg	275 Kg

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).

INSTRUCTIONS FOR USE

SURFACE PREPARATION

Careful surface preparation is essential for optimum finishing and durability.

Maximum moisture content should not exceed 5%.

New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils or organic substances need to be removed by a grinding machine. Possible surface irregularities need to be smoothened.

Any loose surface pieces need to be thoroughly removed. The surface should then be roughened using a dust-free "grit-blasting" machine. The substrate should be clean, dry and sound, free of any dust or contamination which may harmfully affect the adhesion of the primer layer.

WARNING: Do not wash surface with water!

PRODUCT PREPARATION

Mix the two parts hardener and resin by 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

Flooring:

After the surface has been prepared, prime any smooth areas with **weberfloor eposil**. In case of high porosity substrate, use **weberfloor eposil plus** as primer.

Both **weberfloor eposil** must be coated within 24 hours. If it is not possible, anti slip grain 0.1-0.4 mm must be sprinkled on the wet applied **weberfloor eposil**.

Pour out mixed material on to the floor, evenly spread out using a rake or squeegee. Ensure that the surface is rolled using a calibrated rake. Check the thickness and eliminate entrapped air by means of a spiked roller in two crossed passes (applied coating must not be altered or touched up to 30 minutes after its application at 20°C).

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

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