

High flexural strength, easy smoothing underlay

PRODUCT

weberfloor Epo Level is a 3 components solvent free epoxy product, especially designed to repair and level floors prior to the application of Polyurethane and epoxy screeds or coatings.

In addition to its high followability and flexural strength, this product is the best economical solution, due to its high yield. **weberfloor Epo Level** could be applied internally or externally for repairing and levelling differences in thicknesses from 3 mm to 10 mm for a wide range of light and heavy duty use, with various levels of mechanical and chemical exposure.

SCOPE OF USE

- Car parks and workshops.
- Bridges and Traffic decks.
- Industrial floors, Warehouses and storage facilities.
- Food and beverage industry floors.
- Service stations and maintenance areas.
- Hospitals, laboratories and chemical plants
- Metal treatment plants
- Machinery service areas
- Applicable for sloped areas

ADVANTAGES

- High flexural strength
- High flowability
- Excellent yield
- Easy to apply
- Cost effective

CHARACTERISTICS

Density	1.6 ± 0.05
Pot life @ 25°C	4 hours
Initial setting time @ 25°C	10 hours
Full cure	7 days
Compressive strength (BS 6319 part 2) @ 7 days/@ 35°C	>70 Mpa
Flexural strength (BS 6319 part 3) @ 7 days/@35°C	>30 Mpa
Bond strength (Standard condition as per ASTM C881)	2 days > 8 Mpa 14 days > 11 Mpa
Tensile strength (BS 6319 part 7) @ 7 days/@35°C	>16 Mpa
Initial hardness	14 hours at 25 °C
Adhesion strength	Greater than the tensile adhesion strength of concrete
Water absorption (ASTM D570)	Nil



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
-	-	-	19 Kg	-	-	-	-

APPLICABLE STANDARDS

BS 6319 ,ASTM C881 / C881M-14 ,ASTM C882-99 part 2, BS 6319 part 3 and part 7, ASTM D570.

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

Careful surface preparation is essential for optimum finishing and durability. Maximum moisture content should not exceed 5%. New concrete structures need to be structurally stable and dry for at least 28 days however, for old concrete, old coatings, dirt, fats, oils or organic substances must be removed using a grinder machine.

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

WARNING: Do not wash the surface with water!

PRODUCT PREPARATION

Pour Part B over Part A, then mix the two parts for 1 to 2 minutes, using an electric mixer with low rotation speed (< 300 rpm).

Add gradually the graded aggregates to the epoxy fluid while mixing for 2 to 3 minutes, until obtaining a homogeneous epoxy mortar compound.

PRODUCT APPLICATION

Pour out evenly the mixed material to uniform thickness, over the well prepared substrate then spread it out using a trowel or a squeegee. It's preferred to use a spiked roller to release the air from the product.

In case of cementitious screed and self-leveling compounds application, **weberfloor Epo Level** could be used also to repair cracks > 3mm in the substrate. In this case, and after 24 hours from casting **weberfloor Epo Level**, prime the casted area using **weberfloor Epo prime** then broadcast immediately the sand equally over the wet applied surface, taking into consideration that all areas are sanded equally to avoid any de-bonding of the subsequent layer in a later stage.

It is extremely important to apply the product within the pot life after mixing. Beyond this time, unused material could not be applied anymore.

Over coating of **weberfloor Epo Level** should not start before at least 18 hours, and not later than 48 hours depending on site conditions.

Notes:

For thicknesses higher than 5 mm, please consult weber technical team.

*Do not apply **weberfloor Epo Level** if the temperature of the surface is below 5 °C or over 40 °C.*

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

In case Expansion or construction joints exist in the substrate, it should be copied through **weberfloor Epo Level** and any subsequent topping, and filled to the required level with a suitable sealant such as **weber seal PS 1000 GG/PG** or **weber joint seal PU MC**, etc..

CONSUMPTION AND COVERAGE:

1.6 kg/m²/1mm

Approx. 12 m² per kit at 1 mm thickness.

CLEANING

Tools and equipment should be cleaned with Epoxy 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 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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