

Solvent based epoxy floor coating

PRODUCT

weberfloor epo HB 50 - L is a high quality two-component epoxy coating for floors and walls. It is recommended for new and old floors, subjected to high mechanical stress.

weberfloor epo HB 50 - L has good self-leveling properties, excellent resistance to abrasion, water and chemicals.

Epoxies are known for their excellent adhesion, chemical and heat resistance and fire retardant system.

SCOPE OF USE

- Parking decks
- Bridge decks
- Industrial floors
- Food industry floors
- Warehouses
- Service stations, Garages

ADVANTAGES

- Durable
- Suitable for multi-layer applications
- Combined with inert filler for maximum abrasion resistance
- Excellent resistance to acids and alkaline solutions
- Very good resistance to chlorinating agents, anti-carbonated, oils, gasoline and high humidity
- Can support temperature up to 50 °C

CHARACTERISTICS

Colors	Grey, White, Green, Beige and others
Solid content	52% by volume
Specific Gravity @ 25°C	1.35±0.05 kg/ltr
Pot life	8 hours @ 25°C
Flash point	28 °C
Viscosity	120 KUS
Drying time	touch dry: 2 hours at 25 °C walk on dry: 1 day at 25°C fully dry: 7 days at 25 °C
Compressive strength (ASTM C-579)	9900 psi
Tensile strength (ASTM C-307)	1500 psi
Flexural Strength (ASTM C-580)	4600 psi
Thickness of dry film	100 - 105 microns
Thickness of wet film	180 microns with 20% dilution
Minimum time to recoat	4 to 5 hours at 25 °C
Maximum time to recoat	1 day at 25 °C



PACKAGING

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

INSTRUCTIONS FOR USE

SUBSTRATE PREPARATION

Ensure the surface is coated with **weberfloor epossil-L** and free from contaminants.

If the maximum over coating time of **weberfloor epossil - L** has been exceeded, the surface should be roughened to provide "key" for subsequent coats.

PRODUCT PREPARATION

Mix the two parts for 2 - 3 minutes by an electric mixer with low rotation speed (< 300 rpm). Then leave the mixture for 20 minutes during summer time at high temperatures and 30 minutes during winter time (+15°C), to ensure proper chemical reaction.

Add 15% up to 20% by volume of epoxy thinner and mix well, till all the epoxy is dissolved.

You can apply the complete mixture immediately.

PRODUCT APPLICATION

weberfloor epo HB 50-L is applied using a brush or a roller or a notched trowel. It can be applied in single or multiple coats depending upon specifications.

Two coats are usually recommended for normal use.

After mixing the two components, you apply the first coat and the second coat diluted up to 20% epoxy thinner. Please consider time needed to recoat from 4 hours to 24 hours.

If required, calibrated aggregates can be applied between

coats.

To adjust irregularities of surface, apply **weberrep epo 400 RS** or **weberrep epo 412 CRY** for thickness not more than 200-300 microns, to obtain good leveling.

Cleaner and Thinner: Contact company for advice

CONSUMPTION AND COVERAGE

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

Coating system	DFT (micron)	Product	Consumption
Coating system	250 microns	weberfloor eposil – L diluted with 50% epoxy thinner	app. 0.10 liter/m ² at DFT of 50 microns
		weberfloor epo HB 50-L diluted with 15% - 20% epoxy thinner	app. 0.19 liter/m ² at a DFT of 100 microns
		weberfloor epo HB 50-L diluted with 15% - 20% epoxy thinner	app. 0.19 liter/m ² at a DFT of 100 microns
Anti-Slip coat (fine broadcast)	600 - 850 microns	weberfloor eposil – L diluted with 50% epoxy thinner	app. 0.10 liter/m ² at DFT of 50 microns
		weberfloor epo HB 50-L diluted with 15% - 20% epoxy thinner Silica Sand (0 – 0.6 mm)	app. 0.19 liter/m ² at a DFT of 100 microns
		weberfloor epo HB 50-L diluted with 15% - 20% epoxy thinner	app. 0.19 liter/m ² at a DFT of 100 microns
Anti-slip coat (medium broadcast)	1250 – 1750 microns	weberfloor eposil – L diluted with 50% epoxy thinner	app. 0.10 liter/m ² at DFT of 50 microns
		weberfloor epo HB 50-L diluted with 15% - 20% epoxy thinner Silica Sand (1 – 1.5 mm)	app. 0.19 liter/m ² at a DFT of 100 microns
		weberfloor epo HB 50-L diluted with 15% - 20% epoxy thinner	app. 0.19 liter/m ² at a DFT of 100 microns

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.

NOTE

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*Available only in MENA