

Weberfloor CEM MB

Self-smoothing, epoxy, cementitious moisture barrier

Weberfloor CEM MB is a 3-component, epoxy modified, cementitious, self-smoothing, moisture barrier and underlayment.



PRODUCT BENEFITS



SELF SMOOTHING



SEAMLESS



SOLVENT FREE

USES

Weberfloor CEM MB is for epoxy, polyurethane or other topping floor coating. It is used for leveling or patching concrete surfaces, after grinding or scrubbing. Also acts as an underlayment for carpet and vinyl tiles, and for repair and maintenance of concrete floors.

ADVANTAGES

- Excellent mechanical strength
- Excellent flowability, self-smoothing
- Solvent-free; low odour
- Damp tolerant with moisture during application
- Compatible with wide range of topcoats
- Excellent adhesion

TECHNICAL DATA & PHYSICAL PROPERTIES

| | |
|--|------------------------------|
| Colour | Light grey |
| Finish | Matt |
| Density @ 28°C (mixed) | Approx. 2.0 g/ml |
| Tensile Strength | 6 N/mm ² |
| Compressive strength (28 days) (BS 1881: Part 116:1983) | 40 N/mm ² |
| Adhesive strength | > 1.5 MPa (Concrete Failure) |
| Flexural strength | 8 N/mm ² |
| Impact Resistance | 0.35 mm (BRE Screed Tester) |
| Thickness | 2 - 4 mm |
| Pot Life @ 28°C | 25 mins |
| Curing Time | |

| | 22°C | 28°C | 32°C |
|---------------|----------|----------|----------|
| Over Coat | 48 hours | 36 hours | 24 hours |
| Light Traffic | 3 days | 2 days | 2 days |
| Full cure | 7 days | | |

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

CONSUMPTION

Approx. 2 kg/mm/m²

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PROCEDURE & APPLICATION



Surface Preparation

All surfaces must be clean, sound, and free from any laitance, oil, grease, and any contaminants. Substrate must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface. Repair any cracks, and imperfections before applying Weberfloor CEM MB. Ensure that the substrate has a compressive strength of $\geq 25\text{N/mm}^2$ and adhesive pull-off strength of $\geq 1.5\text{N/mm}^2$ (concrete failure).



Mixing

Shake Part A and Part B, and pour them into 20 litres pails and mix for 5 seconds. Add Part C, mix thoroughly for at least 2 minutes using a suitable electrical stirrer with helical paddle (750 watt high power mixer) until a smooth homogenous consistency is achieved.



Application

Apply Weberprim DP as a primer to seal substrate porosity and cure for approx. 14-18 hours. Then, apply the mixed Weberfloor CEM MB with a notched squeegee or pin rake and set it to the correct thickness. Ensure uniform thickness and remove entrapped air immediately with a spiked roller.



Care & Maintenance

Regular cleaning and maintenance will prolong the life of Weberfloor CEM MB floor topping. Regular cleaning using a single or double headed rotary scrubber with alkaline detergent is recommended.

STORAGE & PACKING

Weberfloor CEM MB is available in 24 kg sets. (Part A - 3.5 kg pail + Part B - 1.5 kg pail + Part C - 19 kg bag)

Shelf life of 12 months if unopened, and kept in dry and cool conditions.

CLEANING

Clean the tools and equipment immediately after use with water.

HEALTH & SAFETY

Good ventilation is required, if not, a portable exhaust fan shall be used. Wear protective clothing, gloves, and goggles during mixing and application process. Handle with care and in the event of eyes and skin contact, wash with plenty of water, and seek medical attention if irritation persists. Please keep out of reach of children.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (Jan '23)



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