

# BC-CEM MB

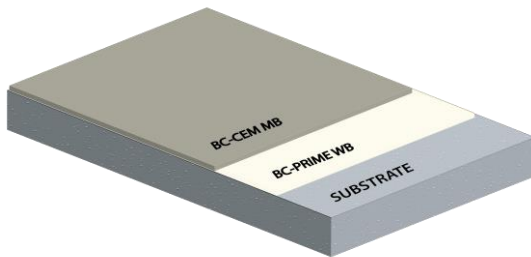
## A SELF SMOOTHENING EPOXY CEMENTITIOUS MOISTURE BARRIER

### DESCRIPTION:

**BC-CEM MB** is a 3 component epoxy modified cementations self-smoothing floor coating moisture barrier and underlayment.

### PRODUCT FEATURE:

As a moisture barrier (2mm – 4mm thick) apply for epoxy and polyurethane or others topping floors coating. Is leveling or patching concrete surfaces, both unfinished and after grinding or scabbling. As also a underlayment for carpet and vinyl tiles, can be repair material and maintenance of concrete floors.



### BENEFITS:

- Excellent mechanical strength and early strength.
- Excellent flow ability and self-smoothing
- Low odor during application – solvent free
- Damp tolerant with moisture when during application
- Compatible with wide range of topcoats.
- Excellent adhesion and easy to apply to sound prepared surfaces

### COLORS:

- Light Grey Matt Finish



### TECHNICAL DATA

Density ( 28°C )(mixed) Approx.	2.0g/ml
Tensile strength	20N/mm <sup>2</sup>
Compressive strength (28 days)	40N/mm <sup>2</sup>
Adhesive strength	>1.5MPa (concrete failure)
Flexural strength	15N/mm <sup>2</sup>
Impact Resistance (BRE Screed Tester)	0.35mm
Mixing Ratio by Weight	Part A : Part B : Part C 3.5 : 1.5 : 20
Pot life 28°C (Open time for working with spike roller)	25min
Packing Size	25kg/set
Shelf life & storage (unopened and in good conditions temperature 10°C to 30°C)	12months
Material consumption	2kg/mm/m <sup>2</sup>

#### Curing time:

	22°C	28°C	32°C
Over Coat	48hrs	40hrs	36hrs
Light traffic	3 days	2 days	2 days

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#### SUBSTRATE REQUIREMENT & PREPARATION:

- Substrate concrete or screed should be a minimum of compressive strength 25N/mm<sup>2</sup> and adhesive pull-off strength of minimum 1.5N/mm<sup>2</sup> (concrete failure)
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Crack and hollows should be properly remedied.
- Rough contaminations and high spots can be removed by grinding.
- The substrate should be clean and free from laitance, oil, dust, paint residues, algae, loose and friable material must be completely removed from all surfaces before application of the product.

#### MIXING :

Shake component A and component B, and pour both liquid in to 20ltr pails and mix 5 seconds, and add component C, mix thoroughly for at least 2 minutes using a suitable electrical stirrer with helical paddle (with 750 watt high power mixer) until a smooth homogenous consistency is achieved.

#### APPLICATION :

- Apply BC-Prime WB as a primer for sealing well the substrate porosity.
- Usually within 14 – 18 hours; BC-Prime WB cured (tack free), then only allow apply BC-CEM MB.
- Apply the mixed BC-CEM MB spread the composite matrix with notched squeegee or pin rake and set it to the correct depth on requirement thickness. Immediately with a spiked roller to ensure uniform thickness and remove entrapped air.

#### Maintenance and care after cure :

We recommend basic cleaning and maintenance will prolong the life of epoxy floors, clean regularly using a single or double headed rotary scrubber drier in conjunction with alkaline detergent.

#### Further Information :

Warning and precautions information relating to the safe handling of this product should be found in Material Safety Data Sheet. To be advise to put on suitable clothing and eye-wear for protection purpose. The application area/site must be in good ventilation otherwise advisable to use a portable exhaust fan.

#### Important Note :

Best Crete product are warranty against defective materials. Due to different substrate and working conditions, no guarantee of an application result or any liability claims. The users are required to have a test ahead based on their intended use.