



TECHNICAL DATA SHEET

EPOXY MB

EPOXY CEMENTITIONS MOISTURE BARRIER

EtepoX Solution Ref. ESSB 15/1

Product Description

EPOXY MB is a 3 component epoxy modified cementations self smoothing floor coating moisture barrier and underlayment

Typical Uses

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 scrubbing. As also a underlayment for carpet and vinyl tiles, can be repair material and maintenance of concrete floors.

Benefits

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

Physical Data			
1. Colors	Natural	8. Pot Life (28°C)	25min
2. Density (28°C) (mixed)	2.0kg / ltr	9. Material Consumption	2.0kg/mm @m ²
3. Tensile Strength	20N/mm ²	10. Mixing Ratio by weight PART A: PART B: PART C	3.5 : 1.5 : 20
4. Compressive Strength(28days)	40N/mm ²	11. Packing Size	25 kg / set Part A: 3.5kg Plastic Bottle Part B: 3.5kg Plastic Bottle Part C: 20kg Plastic PE Bag
5. Adhesive Strength	>1.5MPa(Concrete failure)	12. Shelf & Storage (Unopened and in good Conditions temperature 5°C to 30°C).	12 month
6. Flexural Strength	15N/mm ²	13. Curing Time	20°C 30°C Light Traffic 24hrs 16hrs Full Traffic 72hrs 48hrs Fully Cured 10days 7days
7. Impact Resistance (BRE Screed tester)	0.35mm		

SUBSTRATE REQUIREMENT & PREPARATION

Substrate concrete or screed should be a minimum of compressive strength 25N/mm² and adhesive pull-off strength of minimum 1.5N/mm² (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

1. Apply Epoxy WB as a primer for sealing well the substrate porosity.
2. Usually within 14 – 18 hours; Epoxy WB cured (tack free), then only allow apply Epoxy MB.
3. Apply the mixed Epoxy 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.

CLEANING OF TOOLS

Clean all the tools and application equipment with Washing Thinner before the product hardens.

Maintenance and care after cure

We recommend basic cleaning and maintenance will prolong the life of polyurethane 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-ware for protection purpose. The application area/site must be in good ventilation otherwise advisable to use a portable exhaust fan.