

TECHNICAL DATA SHEET

EPOCOAT MB White

Epoxy Resin Based Primer for Resin Based Floor Coating

PRODUCT DESCRIPTION:

EPOCOAT MB is a two-component, 100% solids epoxy specially formulated as a high strength binder for light to heavy-duty seamless floor overlay and topping systems. It has low viscosity for good penetration into concrete and uniform wetting of filler aggregates.

TYPICAL USES

EPOCOAT MB is recommended use as:

1. High protective coating.
2. Pigmented binder for seamless broadcast flooring system.
3. Low viscosity binder for trowel applied mortar flooring.
4. High-quality concrete epoxy primer

PHYSICAL DATA

Finish

Gloss will chalk if exposed to sunlight

Note: On exposure to sunlight, it will chalk, and light colors may yellow without detracting from overall durability.

Color

white

Note: White and light colors may show yellowing on aging.

Yellow, red, and orange colors will fade faster than other colors due to replacing lead-based pigments with lead-free pigments in these colors.

Curing mechanism

Chemical Reaction between components

Theoretical Coverage

2 sq.m. per liter at 500µm dft
(wft = 500 µm).

Note: Material losses during mixing and application will vary and must be considered when estimating requirements.

Solids Content 99±1% (mixed volume, %)

Pot life @ 29°C 1½ hour, less at higher temperatures.

Note: Keep out of the sun before blending. Some discoloration and darkening will occur at temperatures greater than 200°F; this will not affect film integrity or coating performance.

Mixing Ratio

Four parts A to 1 part B (by volume)

Dry Time

Set to touch, hr.	3 hours
Dry through, hr	6 hours
Initial Cure @ 29°C	12 hours

Full Cure

Maximum Strength	168 hours
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Shelf Life

A and B components in unopened containers are 36 months—store at temperatures between 50°F and 100 °F (10°C to 38°C). Do not open containers until ready to use the material.

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Note: The figures quoted for pot life and drying/curing times are dependent on the on-site conditions such as volume of material mixed, ambient and substrate temperatures, weather, and ventilation.

APPLICATION PARAMETERS**SURFACE PREPARATION:****A. AGED UNCOATED CONCRETE**

Aged uncoated concrete must be dry, clean, and free from oils, fats, or greases. Degrease or scrub with detergents if necessary. The concrete must be free from any incompatible additives or curing agents. Acid etches or abrasive blast clean.

PREVIOUSLY EPOXY-COATED CONCRETE

Remove loose dirt, dust, and paint by sweeping or vacuum cleaning. Remove grease, oil, floor compound, wax, and other contaminants.

Caustic soda treatment must be used on areas covered with grease or soap scum build-up. Heavily contaminated areas may require further removal by mechanical methods. If the floor is very old and utterly saturated with oil, no cleaning method will altogether remove the oil. In this case, try a small area and apply a system sample before cleaning the entire floor.

Very glossy or hard coatings should be sanded to achieve maximum adhesion.

Concrete floor areas which, require patching should be free of dirt, oil, grease, and other chemical contaminants. A test patch is recommended for use over existing coatings.

MIXING:

Stir individual components, then combine, adding Part B to Part A, and mix thoroughly until uniformly blended to a workable consistency. Use mixture component immediately, do not mix more material than can be used within the expected pot life. No thinner is required.

EQUIPMENT:

Brush or Roller application: Additional coats may be required to attain proper thickness.

CLEANING:

Clean all tools or equipment used while the coating is still in its uncured state. Use Epoxy Reducer or lacquer thinner to clean tools and spills.

PACKAGING

Available in 3.8kg gallon set

HEALTH & SAFETY PRECAUTIONS:

Read material safety data sheet before use. Safety precautions must be strictly followed during storage, handling, and service.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. These measures may include, without limitation:

- implementation of proper ventilation
- use of proper lamps
- wearing of appropriate protective clothing and masks, tenting, and proper separation of application areas

Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and protect against toxic hazards. Necessary safety equipment must be used, and ventilation requirements should be carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

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Important Note:

The information contained in this leaflet is published to the best of our knowledge and is supported by current available data. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. Our guarantee is therefore limited to the quantity of the supplied material.