

TECHNICAL DATA SHEET

EPOCOAT PRIMER

Epoxy Resin Based Primer For Resin Based Floor Coating

PRODUCT DESCRIPTION:

EPOCOAT PRIMER is a two component, 100% solids epoxy specially formulated as a high strength binder for use in 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 PRIMER is designed for 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

TECHNICAL DATA

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 Standard, custom colors

Note: White and light colors may show yellowing on aging. Yellow, red and orange colors will fade faster than other colors due to the replacement of lead-based pigments with lead-free pigments in these colors.

Components 2

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 2 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

Shelf Life A and B components in unopened containers is 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.

Note: The figures quoted for pot life and drying/curing times are dependent 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 etch or abrasive blast clean.

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B. 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 a build-up of grease and/or soap scum. Heavy contaminated areas may require further removal by mechanical methods. If the floor is very old and completely saturated with oil, no cleaning method will completely remove the oil. In this case, try a small area and apply a sample of the system before cleaning the entire floor.

Very glossy or hard coatings should be sanded to insure 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 required.

EQUIPMENT:

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

CLEANING:

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

PACKAGING

Available in gallon set

HEALTH & SAFETY PRECAUTIONS:

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

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 proper 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 to protect against toxic hazards. Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. The manufacturer makes no recommendation about types of safety measures that may need to be adopted because these depend on application and space, of which the manufacturer is unaware and over which it has no control.

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.

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