



Geo-Seal EFC Primer MM

Product Description

Basic Use: Geo-Seal EFC Primer MM is a clear plural component, 100% solids, low odor during installation, low viscosity epoxy that is specifically formulated as a moisture vapor barrier primer to treat new and existing concrete substrates with high moisture vapor transmission rates. Geo-Seal EFC Primer MM can be used as a single primer coat negative side moisture vapor barrier suitable for various types of concrete. It is intended for use when high moisture levels are present in concrete which may cause loss of bond of moisture-sensitive flooring systems, including impervious and semi-pervious flooring, such as coatings, carpets, vinyl tiles, tile, wood floors, etc. It meets or exceeds ASTM F 3010 Standard Practice for Two-Component Resin Based Membrane-Forming Moisture Mitigation Systems for Use Under Resilient Floor Coverings.

Composition: Geo-Seal EFC Primer MM is a plural component, 100% solids, low viscosity, moisture mitigating epoxy primer.

Benefits

- Low viscosity formula penetrates deep into concrete for superior adhesion and moisture vapor blocking capability.
- Reduces moisture vapor transmission rate (MVTR) by 80%.
- VOC and EPA Compliant in all states and provinces in North America.
- Low odor during application & cure-can be applied in occupied facilities.
- Excellent chemical resistance, including hydrocarbons, sewage water and diluted acids and alkalines.

Limitations

- Best suited for applications in temperatures between 50°F to 90°F.
- Higher temperatures will result in shortened working time and faster drying time.
- Must not be thinned.

Technical Data

Shelf life: 1 year. Protect from direct sunlight exposure. Maintain temperature between 40°F - 80°F.

Properties: See physical properties table

Specification Writer: Contact EPRO before writing specifications on this product. Geo-Seal EFC system assemblies should be reviewed in order to meet project specific site conditions.

Installation

Surface Preparation: All surfaces shall be prepared in accordance with manufacturer's specifications and ICRI Guideline No. 310.2R Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, Polymer Overlays, and Concrete Repair. All materials that may inhibit bonding must be removed. A test area should always be done prior to application using the same cleaning preparation and application procedures to be used on the project.

Application: Please refer to manufacturer's specifications. Mix at lowest RPM setting. Geo-Seal EFC Primer MM is applied to a minimum mil thicknesses of 16 mils at a rate of approximately 100 SF per gallon.

Coverage rates may vary based on quality of slab surface porosity and consistency of concrete surface profile (CSP) achieved during prep work.

Only mix the amount of product that can be properly applied within 15-25 minutes. Due to the lower viscosity of Geo-Seal EFC MM make sure that the entire surface has been coated. Dry spots will need to be re-rolled leaving a glass-like surface.

Once thoroughly mixed this product should be placed on the surface and not left in the mixing bucket.

Availability and Packaging

Contact EPRO sales representative or authorized applicators (www.eproinc.com).

Packaging is in 1 gallon and 5 gallon kits.

Warranty

Limited Warranty: EPRO Services, Inc. believes to the best of its knowledge that performance tables are accurate and reliable. EPRO warrants this product to be free from defects. EPRO makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. EPRO's liability shall be limited in all events to supplying sufficient product to retreat the specific areas to which defective product has been applied. EPRO shall have no other liability, including liability for incidental or resultant damages, whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of EPRO or its distributors.



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Equipment

Disposable brushes, variable low speed drill with impeller mixing paddle, 3/8" non-shedding phenolic core rollers, roller frame, and rubber squeegees.

Technical Services and Information

Complete technical services and information are available by contacting EPRO at 800.882.1896 or www.eproinc.com.

Typical Physical Properties

Physical Property	Test Method	Value
Solids Content.....		100%
VOC Content		0 gr./lt.
Viscosity		30-50 cps (75°F)
Shelf Life.....		1 year
Hardness, Shore D	ASTM D 2240.....	73-78 (>48 hours)
Adhesion to Concrete	ASTM D 7234.....	>500 PSI ¹
Moisture Vapor Emission Rate.....	ASTM F 1869	>80% reduction ¹

1. Tested at >20 lbs/1000 ft²/24 hrs MVTR

Packaging: 1 & 5 Gallon kits.

Mix Ratio by Weight: 2.7:1 (lbs.)

Substrate, Air and Coating Application Temperature: 50°F - 90°F

Minimum Application Humidity Dew Point: >5°F Above Dew Point, Stable or Falling Temperatures at Time of Application

Minimum Application Concrete Substrate Compressive Strength: 3000 psi

Working Time at 70°F: 20-40 minutes

Recoat Time at 70°F: 7-23 hours (after 24 hours, lightly sand product)

Dry to Touch at 70°F: 7-9 hours