



Geo-Seal EFC Primer



Product Description

Basic Use: Geo-Seal EFC Primer is a high performance 2-component 100% solids, concrete penetrating epoxy primer. As a component to the Geo-Seal EFC system, it is designed to bond to properly prepared concrete substrates including substrates that may have been contaminated by common concrete surface hardeners or curing agents. Geo-Seal EFC Primer contains no migratory plasticizers, phenols or unreacted amines which often leads to adhesion problems, especially when concrete moisture problems exist.

Composition: Geo-Seal EFC Primer is a plural component, low VOC, water based, low viscosity epoxy primer.

Benefits

- Complies with USDA and FDA requirements.
- VOC and EPA Compliant in all states and provinces in North America. Cures to an inert finish.
- Penetrates into concrete substrates and exhibits excellent adhesive properties.
- Excellent chemical resistance.
- Designed for new concrete substrates and for resurfacing existing substrates.

Limitations

- This product is best suited for applications in temperatures between 60°F to 90°F. Do not apply when relative humidity exceeds 85%.
- Higher temperatures will result in shortened working time and faster drying time.
- Substrate must be dry.

Technical Data

Shelf life: 1 year maintained between a 40°F and 100°F.

Properties: See physical properties table

Specification Writer: Contact EPRO before writing specifications on this product. E.Series 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. The pH of the concrete substrate should be at 9 or above. 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 is applied to a wet film thickness of 8 mils at a rate of approximately 200 SF per gallon.

Availability and Packaging

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

Geo-Seal EFC Primer is available in 3 gal. and 15 gal. 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 V-notched 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
Color		Straw
VOC Content		< 2 gr./lt.
Shelf Life		1 year
Viscosity at 77°F		500-700 cps
Viscosity at 60°F		1300-1600 cps
Hardness, Shore D	ASTM D2240	78-80
Bond Strength	ACI 503	>350
Impact Resistance	ASTM D2794	160 in./lbs.
Abrasion Resistance	ASTM D1044	45-50 mg.
Compressive Strength	ASTM D695	7,800 PSI
Flexural Strength	ASTM D790	10,360
Tensile Elongation	ASTM D638	6.5%
Tensile Strength	ASTM D638	6,790
Freeze Thaw Resistance	ASTM C666	300 cycles pass

Packaging: 3 gallon and 15 gallon kits.

Mix Ratio by Volume: 2:1

Mix Ratio by Weight: 2.24:1 (lbs.)

Minimum Substrate Application Temperature: 40°F

Pot Life at 77°F: 15 min.

Dry to Touch (50°F-90°F): 7 to 12 hours

Recoat Time (77°F): 7 to 8 hours

Recoat Time (60°F): 10 to 12 hours

Light Foot Traffic (50°F-90°F): 7 to 12 hours