



**C.I.M.  
Industries™**

# **CIM ECO Epoxy Primer**

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## **OVERVIEW**

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**DESCRIPTION** CIM ECO Epoxy Primer is a two-component solvent free epoxy coating formulated for porous and non-porous surfaces such as concrete, wood and metal.

### **ADVANTAGES**

- CIM ECO Primer can be used to prime a variety of surfaces.
- Solvent free formula is ideal for use in environments sensitive to solvent odors.
- Seals porous substrates in order to help reduce outgassing.
- May be used as a primer for freshly blasted metal to prevent flash rust from occurring prior to coating with CIM.

### **SURFACE PREPARATION**

**GENERAL:** Substrates must be **clean and dry** with no oils, grease or loose debris. Perform adhesion tests to confirm adequacy of surface preparation. See C.I.M. Industries' specific substrate Instruction Guide for more information.

**CONCRETE:** ICRI-CSP 4-6 surface profile exposing aggregate. Concrete must exhibit minimum 3,000 psi compressive strength and be free of release agents and curing compounds. The substrate must be clean, dry (see CIM Instruction Guide IG-2), and free of contaminates.

**STEEL:** Minimum 3 mil profile.  
Immersion service – SSPC-SP10 / NACE No. 2 Near White Blast. Non-Immersion service – SSPC-SP6 / NACE No. 3 Commercial Blast.

**OTHER METALS:** SSPC-SP1 solvent clean and abrasive blast to roughen and degloss the surface.

**WOOD:** Substrate must be clean, dry and free of surface contamination.

**COLOR** CIM ECO Resin is tan.  
CIM ECO Hardener is semi-transparent brown.  
Mixed and cured: tan appearance.

**MIXING RATIO** 2.5 Parts Resin: 1 Part Hardener by Volume

**SOLIDS BY VOLUME** 97% mixed (1556 mil x sq ft/gal)

**DENSITY** CIM ECO Resin approximately 13.6 lbs/gal  
CIM ECO Hardener approximately 8.4 lbs/gal

**PERMEABILITY** ASTM E 96 Procedure B 0.50 perms

**VOC** 40 g/l (0.3 lb/gal)



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## GENERAL APPLICATION INFORMATION

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### FOR PROFESSIONAL USE ONLY.

**PRECAUTIONS** Mixing equipment and surfaces where material is applied must be **DRY**. Do not apply in wet weather, when rain is imminent or when the surface may become wet before the coating is dry. Strictly observe mixing, induction times and substrate temperature requirements.

**TEMPERATURE** Throughout the curing period, the surface and ambient temperature should be a minimum of 50°F (10°C) AND a minimum of 5°F (3°C) above the dew point. Contact C.I.M. Industries for lower temperature application.

**EQUIPMENT** Squeegee, Brush, or Roller ( $\frac{3}{8}$ " or  $\frac{1}{2}$ " synthetic nap).

**POT LIFE** About 30 minutes at 77°F (25°C).

**MIXING DO NOT HAND MIX.** Use a power mixer. Consistency should be uniform and smooth with no settled pigments remaining at the bottom. Pour hardener into the can containing the resin and thoroughly mix for three minutes.

The two components must be combined in proper ratios for this product to cure properly. Failure to adequately mix, to achieve a uniform dispersion, or failure to blend to the proper volume proportion will result in a failure of the coating to perform adequately.

**DO NOT THIN.** Allow cold material to warm to room temperature before applying. Warm each component before mixing to lower viscosity. Do not heat containers above the materials flash point.

**CONTACT C.I.M. INDUSTRIES FOR SPECIFIC RECOMMENDATIONS AND INSTRUCTION GUIDES.**  
[www.cimindustries.com](http://www.cimindustries.com)



# CIM ECO Epoxy Primer

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## GENERAL APPLICATION INFORMATION (Continued)

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### APPLICATION

**PRIMER:** Apply CIM ECO Primer at a coverage rate of **5 to 10 wet mils** per coat. When coating porous substrates apply primer when the substrate is in a temperature declining mode and not in direct sunlight. A uniform coating free of holidays or pinholes is necessary to minimize outgassing effects during the application of the CIM coating to porous surfaces such as concrete and wood. Surfaces with high porosity may require additional coats to achieve a pinhole free application. CIM EMT Primer should be used for applications where moisture is present or a high vapor drive is expected.

**RECOMMENDED COVERAGE** 200-225 sq. ft./gal. (or 160-180sq. ft./ 0.8-gallon kit; 700-780sq. ft./ 3.5-gallon kit) at 7-8 wet mils. Irregular surfaces, waste, spillage, and application technique effect actual coverage.

**CIM COATING** Allow CIM ECO Primer to cure at least 4 hours at 70°F (21°C). Failure to allow sufficient time may result in poor adhesion between primer and CIM. Prior to CIM coating application, check for the presence of amine blush by testing the pH of the cured epoxy surface. Application of CIM coating to epoxy primer with a high pH will result in poor adhesion. When applied to porous surfaces, CIM ECO Primer will reduce the effects of outgassing, but it may not completely prevent the occurrence. CIM coatings and primer should be applied following C.I.M.'s published written instructions including application of the coating when substrate temperature is declining.

**RECOATING** Minimum/Maximum recoat is 4hrs/48hrs @ 70°F.  
Allow at least 4 hours between coats or applying a CIM coating or lining. If more than 48 hours have passed since the application of CIM ECO Primer, or the CIM ECO Primer is otherwise contaminated, solvent wipe with methyl ethyl ketone to clean surface and reapply CIM ECO Primer.

**CLEAN UP** Clean all equipment immediately after use with xylene or MEK.

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## SHIPPING, STORAGE AND SAFETY DATA

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**SAFETY INFORMATION** This product contains ingredients which are hazardous. Adequate health and safety precautions should be observed during storage, handling, application, and clean-up. Refer to C.I.M. Industries' Safety Data Sheets for further details regarding the safe use of this product.

**PACKAGING** CIM ECO Primer is packaged in 0.8 and 3.5 gallon units. Proper volumes of each must be mixed thoroughly prior to application.

<b>SHIPPING</b>	<b>CIM ECO Resin</b>	<b>CIM ECO Hardener</b>
<b>Weights</b>		
0.8 gallon unit	7.7 lb/can (0.57 gal) (32 lb/ case of 4)	1.9 lb/can (0.23 gal) (8 lb/case of 4)
3.5 gallon unit	34lb/pail (2.5 gal)	8 lb/can (1 gal) (32 lb/case of 4)
<b>Properties</b>		
Flash Point	>300°F (149°C)	>300°F (149°C)
DOT Class	Not Regulated	Not Regulated
<b>STORAGE</b>		
Temperature	40°F to 110°F (5°C to 43°C)	40°F to 110°F (5°C to 43°C)
Shelf Life	1 year	1 Year

**THE INFORMATION PRESENTED IN THIS PUBLICATION IS SUBJECT TO CHANGE WITHOUT NOTICE.**

**CONTACT C.I.M. INDUSTRIES FOR CURRENT INFORMATION.**

**FOR PROFESSIONAL USE ONLY.**

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