
COATING PROFILE

DESCRIPTION AND RECOMMENDED USE

CIM 61 Epoxy Primer is a two component high solids epoxy coating formulated as a primer for porous and non porous surfaces such as concrete and metal.

- May be used as a primer for freshly blasted metal to prevent flash rust from occurring, prior to coating with CIM.
- May be used as a primer for properly prepared concrete to minimize the effects of outgassing.
- Approved for contact with potable water in accordance with ANSI/NSF61. (UL control number: 69Y5).

SURFACE PREPARATIONS

GENERAL: Substrates must be **clean and dry** with no oils, grease or loose debris. Perform adhesion tests to confirm adequacy of surface preparation.

CONCRETE: ICRI-CSP 4-6 surface profile exposing aggregate. Concrete must exhibit minimum 3,000 psi compression strength and be free of release agents and curing compounds. The substrate must be clean and dry (less than five percent moisture), and free of loose powder or debris.

STEEL: Minimum three mil profile.
Immersion service – SSPC-SP10 Near White Blast.
Non-Immersion service –SSPC-SP6 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.

THEORETICAL COVERAGE

1100 dry mil sq. ft per gallon
320 sq feet per gallon (about 5 wet mils). Irregular surfaces, waste, spillage, and application technique effect actual coverage.

MIXING RATIO

1:1 by Volume

VOC

275 g/l (2.3 lb/gal) CIM 61 Epoxy Primer complies with the toughest VOC regulations.

SOLIDS BY VOLUME

69% mixed

WEIGHT PER GALLON

Approximately 13 lbs.

GENERAL APPLICATION INFORMATION

USE	For Professional Use Only.																								
PRECAUTIONS	Mixing equipment and surfaces where material is applied must be ABSOLUTELY 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, standing and substrate temperature requirements.																								
TEMPERATURE	Throughout the curing period, the surface should be minimum 50F and minimum 5F above the dew point.																								
EQUIPMENT	Air Spray, Airless Spray, Brush, or Roller ($\frac{3}{8}$ " or $\frac{1}{2}$ " synthetic nap). <table border="0" style="margin-left: 40px;"> <thead> <tr> <th style="text-align: left;">Equipment</th> <th style="text-align: left;">Air Spray (DeVilbiss, JGA, or MBC)</th> <th style="text-align: left;">Airless</th> </tr> </thead> <tbody> <tr> <td>Air Hose</td> <td>$\frac{1}{2}$"</td> <td>na</td> </tr> <tr> <td>Fluid Hose</td> <td>$\frac{1}{2}$"</td> <td>$\frac{3}{8}$"</td> </tr> <tr> <td>Spray Gun</td> <td></td> <td></td> </tr> <tr> <td>Tip</td> <td>E</td> <td>0.019"</td> </tr> <tr> <td>Cap</td> <td>765 OR 78</td> <td>na</td> </tr> <tr> <td>Atomizing Pressure</td> <td>up to 100 psi</td> <td>1500 to 3000 psi</td> </tr> <tr> <td>Pot Pressure</td> <td>10 to 20 psi</td> <td>na</td> </tr> </tbody> </table>	Equipment	Air Spray (DeVilbiss, JGA, or MBC)	Airless	Air Hose	$\frac{1}{2}$ "	na	Fluid Hose	$\frac{1}{2}$ "	$\frac{3}{8}$ "	Spray Gun			Tip	E	0.019"	Cap	765 OR 78	na	Atomizing Pressure	up to 100 psi	1500 to 3000 psi	Pot Pressure	10 to 20 psi	na
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COMPONENTS	CIM 61 is a two component epoxy coating consisting of: CIM 61 Epoxy Resin which is white, and CIM 61 Hardener which is an iron oxide red.																								
POT LIFE	About 5 hours at 77F, 3 hours at 100F.																								
MIXING	Thoroughly mix each of the two components separately: CIM 61 Epoxy Resin and CIM 61 Hardener. DO NOT HAND MIX . Use a power mixer. Consistency should be uniform and smooth with no settled pigments remaining at the bottom. In a separate, clean container, add equal volumes of each component and thoroughly mix until color and consistency are uniform. Allow mixed primer to stand for 30 minutes before application. The two components must be combined in equal volumes for this product to set up properly. Failure to adequately mix each component separately to achieve a uniform dispersion or failure to blend to the proper 1 to 1 volume proportion will result in a failure of the coating to perform adequately.																								
THINNING	DO NOT THIN. To lower viscosity, warm mixed coating before applying. Do not exceed 100F.																								
APPLICATION	<p>Primer: Apply CIM 61 Epoxy Primer at a coverage rate of 5 wet mils per coat. A uniform coating free of holidays or pinholes is necessary to minimize outgassing effects during the application of the CIM membrane to porous surfaces such as concrete. Surfaces may require additional coats to attain a pinhole free finish.</p> <p>Membrane: Allow CIM 61 Epoxy Primer to dry at least 10 hours at 70F to permit solvent loss. Membrane overcoating prior to solvent loss may result in bubble formation in the membrane. When applied to porous surfaces, CIM 61 Epoxy Primer will greatly reduce the effects of outgassing, but it may not completely prevent the occurrence. CIM membranes should be applied following CIM's standard written instructions including application of the membrane when substrate temperature is declining.</p>																								
RECOAT	Allow at least 10 hours between coats or applying a CIM membrane coating. If more than 14 days (7 days for outdoor exposure) since CIM 61 application, or CIM 61 is otherwise contaminated, abrasive blast and use CIM Bonding Agent.																								
CLEAN UP	Clean all equipment immediately after use with MEK. Thoroughly flush spray equipment before coating has had a chance to set up.																								

Contact your CIM Representative for specific recommendations and application instructions.

SHIPPING, STORAGE AND SAFETY DATA

WARNING! **Flammable. Use only in well ventilated areas. Do not store or use near open flame, sparks or hot surfaces. Keep tightly closed. Avoid contact with moisture or water.**

SAFETY This product contains ingredients which are considered to be hazardous. Solvent exposure may cause dizziness, headache, or nausea. Prolonged exposure may cause permanent brain or nervous system damage. Adequate health and safety precautions should be observed during storage, handling, application and clean-up. Refer to CIM Industries' Material Safety Data sheets for further details regarding the safe use of this product.

	CIM 61 Epoxy Resin	CIM 61 Hardener
SHIPPING		
Shipping Name	Coating Solution	Coating Solution
DOT Class	Class 3, UN1139, PG III	Class 3, UN1139, PG III
Flash Point	80F	78F
Weights	12 lbs per can (54 lbs per 2-kit box)	15 lbs per can

PACKAGING CIM 61 is packaged in 2 gallon units consisting of 1 gallon of CIM 61 Epoxy Resin and 1 gallon of CIM 61 Hardener. Equal volumes of each must be mixed thoroughly in a separate container prior to application.

	CIM 61 Epoxy Resin	CIM 61 Hardener
STORAGE		
Temperature	20F to 110F	20F to 110F
Shelf Life	12 months	12 months
NFPA	Class IC	Class IC

WARRANTY & LIMITATION OF SELLER'S LIABILITY

C.I.M. Industries Inc. (CIM) warrants only that CIM 61 Epoxy Primer conforms to CIM's current quality control standards at the time of manufacture. Due to application variables beyond CIM's control which may affect results, CIM makes no other warranty of any kind, expressed or implied, including that of merchantability. If breach of warranty is established, the buyer's exclusive remedy shall be repayment of the purchase price of the non conforming CIM product or, at CIM's option, resupply of conforming product to replace the non-conforming product. The buyer expressly waives any claim to additional damages, including consequential damages.

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

CONTACT YOUR CIM REPRESENTATIVE FOR CURRENT INFORMATION.

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