

### COATING PROFILE

**DESCRIPTION** CIM 2000 is a tough, abrasion, corrosion and chemical resistant two-component urethane coating that adheres to most substrates and cures in hours to form a flexible high performance coating and lining system. CIM 2000 contains no volatile organic compounds and is ANSI/NSF 61 certified for potable water contact. Typical applications for CIM 2000 include immersion tank and reservoir liners, joint seals, waterproofing, and primary and secondary chemical containment.

**ADVANTAGES** CIM 2000 remains flexible, resilient and provides exceptional service in a broad range of applications.

- Forms a tough elastomeric coating able to bridge cracks and accommodate joint movement.
- Impermeable to water and most aqueous chemicals, providing a long lasting tank lining system.
- ANSI/NSF 61 certified for potable water contact with one day in-service time.
- Adheres to and bridges between common construction materials such as concrete, steel and other metals, glass, wood, and many coatings.
- Environmentally sound with no VOC.
- Can be repaired when damaged.
- 100% solids, gray color.
- Does not require plural component spray equipment
- Liquid, two-component urethane can be applied to complex shapes, multiple penetrations or to most geotextiles.
- Fire Resistant - Passes ASTM E108/UL 790 Spread of Flame Test with class A performance UL Ref: MC9218106CA41705. Test report available upon request.

### SURFACE PREPARATION

**GENERAL:** Substrates must be **clean and dry** with no oils, grease or loose debris. CIM Bonding Agent is recommended on all non-porous substrates. Perform adhesion tests to confirm adequacy of surface preparation. See C.I.M. Industries' substrate specific Instruction Guide for specific guidelines.

**CONCRETE:** ICRI-CSP 4-6 concrete surface profile. Concrete must exhibit minimum 3,000 psi compressive strength and be free of release agents and curing compounds. The substrate must be clean and dry (see CIM Instruction Guide IG-13), 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.  
Use CIM Bonding Agent for greater adhesion.

**OTHER METALS:** SSPC-SP1 solvent clean and abrasive blast to roughen and degloss the surface. Use CIM Bonding Agent for greater adhesion.

**GLASS:** Thoroughly clean. CIM Bonding Agent must be used for increased adhesion. For immersion service roughen the surface.

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

**PREVIOUS COATINGS AND LININGS:** CIM 2000 may be applied over some existing coatings and linings and achieve acceptable performance. CIM Bonding Agent is recommended for greater adhesion. Finished system results vary due to a variety of project specific factors, including the service conditions to which the system is exposed. Therefore, C.I.M. Industries does not accept responsibility for determining the suitability of an existing coating as a substrate for CIM products. Owner shall perform adhesion tests on any existing coating or lining to determine suitability.

**EARTH:** Use CIM Scrim.

**COLOR** CIM 2000 is initially gray and will darken/color change when exposed to direct sunlight. For a colored or reflecting surface finish, see C.I.M Industries' Instruction Guide, "Applying Topcoats over CIM 2000" (IG-17) for further instructions.

**SOLIDS BY VOLUME** 100% (1604 dry mil x sq. ft./gal.)

**RECOMMENDED COVERAGE** Recommended minimum thickness at all points of the coating is 55 mils (1.5 mm).

**VOC** 0 g/l (0 lb./gal.). CIM 2000 complies with the toughest VOC regulations.



# CIM 2000

## HIGH PERFORMANCE COATINGS AND LININGS

All information presented in this publication is believed to be accurate, but it is not to be construed as a guarantee of minimum performance. Test performance results are obtained in a controlled laboratory environment using procedures that may not represent actual operating environments.

---

### TYPICAL PROPERTIES

---

Adhesion to concrete (dry) Elcometer	350 psi	Liner Weight (60 mil wet film thickness)	36.9 lbs./100 sq. ft.
Density (Approx.) Premix	10 lbs./gal.	Mix Ratio Weight	5:1
Activator	10 lbs./gal.	Volume	5:1
Mixed & Cured	10 lbs./gal.	Potable Water Service NSF/ANSI 61	Approved*
Extension to Break ASTM D412	200%	Recovery from 100% extension: after 5 minutes	98%
Hardness, Shore A ASTM D2240 @ 77°F	75	after 24 hours	100%
Spread of Flame ASTM E108/UL 790 UL Ref - mc9218106ca41705	Pass	Tear Strength ASTM D624 (Die C)	140 lbs./in.
		Tensile Strength ASTM D412, 100 mil sheet	1200 psi

---

### CHEMICAL RESISTANCE

---

CIM 2000 is resistant to a broad range of acids and alkalis. Consult C.I.M. Industries for additional information regarding chemical resistance.

\* See C.I.M. Industries' ANSI/NSF 61 approval rating at Underwriters Laboratories Inc. website ([www.UL.com](http://www.UL.com))

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

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

[www.cimindustries.com](http://www.cimindustries.com)

©CIM 11/06

### GENERAL APPLICATION INFORMATION

<b>USE</b>	<b>FOR PROFESSIONAL USE ONLY.</b>
<b>PRECAUTIONS</b>	Avoid contamination with water or moisture. Keep all pails and jugs tightly closed until ready for use. All equipment, air supplies, and application substrates must be <b>ABSOLUTELY DRY</b> . Do not apply in wet weather or when rain is imminent or when the CIM 2000 or the substrate may become wet within 8 hours after coating. Use caution when applying CIM 2000 in confined spaces. See C.I.M. Industries' Instruction Guide, "Applying CIM 2000 Within Confined Spaces" (IG-9).
<b>TEMPERATURE</b>	Surface should be at least 50°F (10°C) and must be 5°F (3°C) above the dew point. Consult C.I.M. Industries, Inc. for cold weather application. <b>DO NOT APPLY WHEN THE SUBSTRATE OR AMBIENT TEMPERATURE IS RISING OR COATING IS IN DIRECT SUNLIGHT.</b> CIM 2000 should be at least 60°F (15°C) when mixed and applied.
<b>EQUIPMENT</b>	Spray equipment requires large diameter hose and air supplied mastic gun or plural component spray equipment. See C.I.M. Industries' Instruction Guide, "Spray Application of CIM" (IG-12). Contact C.I.M. Industries for specific recommendations. Roller, squeegee, and trowel may also be used.
<b>POT LIFE</b>	About 30 minutes. Working time depends on temperature and method of application. Working time for spray application requirements will be significantly shorter.
<b>PRIMING</b>	Prime porous substrates such as wood and concrete with a 5 wet mil coat of CIM 61BG to minimize outgassing. Multiple applications may be required to achieve a pinhole free primer coat. The recoat window for CIM 2000 or CIM 61BG shall be no longer than 48 hours. See CIM 61BG Epoxy Primer Coating Profile for additional information on CIM 61BG application. Perform adhesion tests to confirm adequacy of adhesion to primer.
<b>MIXING</b>	<b>DO NOT THIN. DO NOT HAND MIX.</b> Begin mixing each pail (3.33 gallons) of CIM 2000 Premix using a power mixer (e.g. ½" drill and eight inch mud mixer). Do not draw air into the mix. While mixing, slowly add one jug (0.67 gallons) of CIM 2000 Activator to the pail and mix thoroughly for <b>3 FULL MINUTES</b> . The proportions are premeasured. <b>DO NOT ESTIMATE.</b> Mixing Jigs and Timers are available from C.I.M. Industries to help eliminate mixing errors and increase productivity on the job. See C.I.M. Industries' Instruction Guide, "Mixing CIM Premix and Activator" (IG-8).
<b>APPLICATION</b>	Apply CIM 2000 directly to a clean and dry substrate. Vertical surfaces will require multiple coats. See C.I.M. Industries' specific substrate Instruction Guide for additional guidelines. If applying CIM 2000 as a top coat over black CIM there will be bleed through.
<b>RECOATING</b>	Typically, CIM 2000 may be recoated after 2 hours. The maximum recoat time is 48 hours from time of application. If the liner has cured longer than 48 hours, the surface shall be conditioned for recoating. Dulling the surface with lacquer thinner has provided variable results. Severely abrading the surface using surface grinder or other mechanical means has provided better results. Prepared surface shall be clean and free of contaminants. Use CIM Bonding Agent for better adhesion only when recoat window is missed. Perform adhesion tests to confirm adequacy of surface preparation for recoating.
<b>SPREAD RATE</b>	<b>Note: Coverages are theoretical and do not account for waste, spillage, irregular surfaces, or application technique.</b>
<b>CURING TIME</b>	CIM 2000 may be placed into service within 24 hours for potable water and non-aggressive service. Severe service applications may require additional cure time. Consult C.I.M. Industries for specific recommendations.
<b>DISINFECTION</b>	CIM 2000 coating must be washed, rinsed, and disinfected in accordance with C.I.M. Industries Instruction Guide "Decontamination or Washing Procedures for Potable Water Tank and Fish Pond Service" (IG-10).
<b>CLEAN-UP</b>	Use mineral spirits for clean-up of uncured material. Spray equipment must be flushed regularly during application to prevent material from setting up in the hose and pump. Cured material is very difficult to remove.

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

