



C.I.M. INDUSTRIES INC.

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CIM 500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE AND CIM 1061 WATERPROOFING MEMBRANE

CSI Sections: 07 10 00 Dampproofing and
Waterproofing
07 14 00 Fluid Applied Waterproofing
09 31 00 Thin-Set Tiling
09 34 00 Waterproofing-Membrane Tiling

1.0 RECOGNITION

C.I.M. Industries Inc. and the CIM 500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061 waterproofing membranes recognized in this report have been evaluated for moisture protection. CIM 500 and CIM 800 have been evaluated for use as an exterior, below grade dampproofing and waterproofing coating and their performances have been evaluated for decay resistance, water penetration resistance, durability, adhesion, hydrostatic pressure and temperature. These products have been evaluated with the following codes and regulations:

- 2021, 2018, 2015, and 2012 International Building Code® (IBC)
- 2021, 2018, 2015, and 2012 Uniform Plumbing Code® (UPC)
- 2019 California Building Code (CBC)– Supplement attached
- 2020 City of Los Angeles Building Code (LABC)- Supplement attached

2.0 LIMITATIONS

The CIM water proofing membranes (CIM 500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061) described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

2.1 The materials shall be applied in accordance with this report and the manufacturer's published installation instructions. In the event of a conflict between the installation instructions and this report, the more restrictive shall govern.

2.2 Application over expansion joints is outside the scope of this report. Seams and repairs shall be completed in accordance with the manufacturer's installation instructions and recommendations.

2.3 The design and construction of the foundation and the drainage system is outside the scope of this report. The foundation drainage shall be installed in accordance with IBC Section 1805.4.

2.4 The membranes in this report have not been evaluated for sealing joints or penetrations of fire-rated assemblies.

2.5 The dampproofing and waterproofing membranes recognized in this report shall be produced by CIM Industries, Inc. in Houston, TX.

3.0 PRODUCT USE

3.1 **General:** The CIM 500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061 waterproofing membranes are used on concrete, steel, other metals, glass, wood, and previous coatings and linings as barriers to positive liquid water migration in loadbearing, bonded, thin-set ceramic tile and dimension stone installations on floors, and also may be used as shower sub-pan linings. The membranes comply with IBC Section 2103 and UPC Section 408.7.

3.2 **Installation:** Installation of CIM waterproofing membranes (CIM 500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061) shall comply with this report and the manufacturer's published installation instructions. The manufacturer's installation instructions shall be available at the jobsite at all times during installation. CIM waterproofing membranes shall be applied at a thickness of 60 wet mils minimum. In projects requiring adhesion of thinset mortar to the waterproofing membrane, second coating of 10-20 mils of CIM shall be applied within the two-to-four recoat window, and immediately thereafter, broadcasting dry aggregate into this tack coat until refusal. This provides a bonded aggregate surface to which the mortar will adhere. Thinset mortar may be applied the following day after removal of any non-bonded aggregate.

3.3 **Surface Preparation:** Substrates shall be clean and dry with no oils, grease, or loose debris. CIM Bonding Agent is recommended on all non-porous substrates. Adhesion tests shall be performed to confirm adequacy of surface preparation. The C.I.M. Industries published installation instructions provide specific details for each substrate.





3.4 Below-Grade Use Products: CIM 500 and CIM 800 are applicable for application on concrete masonry unit and concrete foundations walls for below-grade construction. CIM 500 and 800 when used as a waterproofing membrane is an alternative to the waterproofing materials as described in IBC Section 1805.3.2. The ambient air temperature during application and curing of the coating shall be in the range of -15°F to 100°F (-26°C to 38°C). The wall can be backfilled once the coating is cured. Foundation walls have no time restrictions of backfilling based on exposure to sunlight. Backfill shall be placed in accordance with IBC Section 1804.3. All joints overlapping between cured and new applications shall be a minimum width of 6-inches (152.4 mm) in accordance with the manufacturer's specifications.

3.4.1 CIM 500 Exterior Below-Grade Use: CIM 500 has a resistance to hydrostatic pressure of 22.5 psi (155.1 kPa) over a 1/8-inch wide (3.2 mm) crack when tested in accordance with ASTM C1306 and installed in accordance with Section 3.2 of this report.

3.4.2 CIM 800 Exterior Below-Grade Use: CIM 800 has a resistance to hydrostatic pressure of 7.5 psi (51.7 kPa) over a 1/16-inch wide (1.6 mm) crack when tested in accordance with ASTM C1306 and installed in accordance with Section 3.2 of this report.

4.0 PRODUCT DESCRIPTION

4.1 Product Information: The CIM500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061 are liquid-applied materials that cure to a monolithic, elastomeric membrane.

4.2 Material Information

4.2.1 CIM 500: CIM 500 is available in mixed units of 5 gallons (18.9 L). Each unit consists of a container of premix and a smaller container of activator. The 4.6-gallon (17.4 L) premix unit has 37 lbs. (16.8 kg) per pail and 4 lbs. (1.8 kg) per jug of the activator. Shelf life is two years for the premix and eighteen months for the activator when stored unopened at temperatures between 20°F and 110°F (-7°C and 43°C) for the premix and 70°F and 95°F (21°C and 35°C) for the activator. The percent solids content by volume is 91 percent (1460 dry mils x sq. ft. / gal.).

4.2.2 CIM 800: CIM 800 is available in mixed units of 5 gallons (18.9 L). Each unit consists of a container of premix and a smaller container of activator. The 4.6-gallon (17.4 L) premix unit has 37 lbs. (16.8 kg) per pail and 4 lbs. (1.8 kg) per jug of the activator. Shelf life is two years for the premix and 6 months for the activator when stored unopened at temperatures between 20°F and 110°F (-7°C and 43°C) for the premix and 70°F and 95°F (21°C and 35°C) for the

activator. The percent solids content by volume is 90 percent (1448 dry mils x sq. ft. / gal.).

4.2.3 CIM 1000: CIM 1000 is available in mixed units of 5 gallons (18.9 L). Each unit consists of a container of premix and a smaller container of activator. The 5-gallon (18.9 L) unit has 36 lbs. (16.3 kg) per pail of premix and 5 lbs. (2.3 kg) per jug of activator. Shelf life is two years for the premix and 6 months for the activator when stored unopened at temperatures between 20°F and 110°F (-7°C and 43°C) for the premix and 70°F and 95°F (21°C and 35°C) for the activator. The percent solids content by volume is 88 percent (1413 dry mils x sq. ft. / gal.).

4.2.4 CIM 1000 TROWEL GRADE: CIM 1000 TROWEL GRADE is available in mixed units of 4.5 gallons (17.0 L), 0.8-gallons (3.0 L) kits and 850 ml dual component cartridges. Each unit consists of a container of premix and a smaller container of activator. The 4.5-gallon (17.0 L) unit has 32 lbs. (14.5 kg) per pail of Premix and 5 lbs. per jug of activator. The 0.8-gallon (3.0 L) kit has 5.7 lbs. (2.6 kg) per can of premix and 0.9 lbs. (0.4 kg) per bottle of activator. The 850-ml cartridge includes a 750-ml premix tube, a 100-ml activator tube and the static mixer to combine the two during application. Shelf life is two years for the premix and 6 months for the activator when stored unopened at temperatures between 20°F and 110°F (-7°C and 43°C) for the premix and 70°F and 95°F (21°C and 35°C) for the activator. The percent solids content by volume is 89 percent (1431 dry mils x sq. ft/gal).

4.2.5 CIM 1061: CIM 1061 is available in mixed units of 5 gallons (18.9 L) and 0.8 gallons (3.0 L). Each unit consists of a container of premix and a smaller container of activator. The 5-gallon unit has 35.7 lbs. (16.2 L) per pail of Premix and 5.7 lbs. (2.6 kg) per jug of activator. The 0.8-gallon (3.0 L) kit has 5.7 lbs. (2.6 kg) per can of Premix and 0.9 lbs. (0.4 kg) per bottle of activator. Shelf life is two years for the premix and 6 months for the activator when stored unopened at temperatures between 20°F and 110°F (-7°C and 43°C) for the premix and 70°F and 95°F (21°C and 35°C) for the activator. The percent solids by volume is 88 percent (1416 dry mils x sq. ft. / gal).

5.0 IDENTIFICATION

Each container of CIM waterproofing (CIM 500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061) bears a label with the C.I.M. Industries Inc., name and address, the product name, the date of manufacture and the IAPMO Uniform ES Mark of Conformity the name of the inspection agency (when applicable) and the Evaluation Report Number (ER-183) to identify the products recognized in this report. A die-stamp label may also substitute for the label.

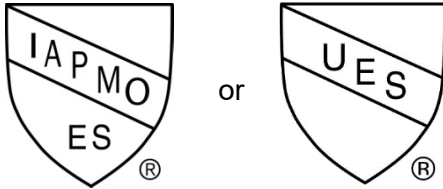


Originally Issued: 06/16/2010

Revised: 07/12/2022

Valid Through: 06/30/2023

Either Mark of Conformity may be used as shown below:



IAPMO UES ER-183

6.0 SUBSTANTIATING DATA

6.1 Data in accordance with ANSI A118.10-2014.

6.2 Data in accordance with ICC-ES Acceptance Criteria for Waterproof Membranes for Flooring and Shower Lining (AC115) approved June 2003 (Editorially Revised February 2021).

6.3 Data in accordance with ICC-ES Acceptance Criteria for Cold, Liquid-applied, Below-Grade, Exterior Dampproofing and Waterproofing Materials (AC29) approved June 2011 (Editorially Revised August 2020).

6.4 Test reports submitted for evidence are from laboratories in compliance with ISO/IEC 17025.

7.0 STATEMENT OF RECOGNITION

This evaluation report describes the results of research completed by IAPMO Uniform Evaluation Service on C.I.M. Industries Inc. and the CIM 500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061 waterproofing membranes to assess their conformance to the codes shown in Section 1.0 of this report and documents the product's certification. Products are manufactured at the location noted in Section 2.5 of this report under a quality control program with periodic inspection under the supervision of IAPMO UES.

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org



CALIFORNIA SUPPLEMENT

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1.0 RECOGNITION

C.I.M. Industries Inc. and the CIM 500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061 waterproofing membranes as evaluated in IAPMO UES ER-183 and with changes as noted in this supplement is a satisfactory alternative for use in building built under the following codes (and regulations):

- 2019 California Building Code (CBC)

2.0 LIMITATIONS

The CIM water proofing membranes (CIM 500, CIM 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061) described in ER- 183 and this report supplement is subject to the following limitations:

2.1 The materials shall be applied in accordance with this report and the manufacturer's published installation instructions. In the event of a conflict between the installation instructions and this report, the more restrictive shall govern.

2.2 This supplement expires concurrently with ER-183.



CITY OF LOS ANGELES SUPPLEMENT

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- 2020 City of Los Angeles Building Code (LABC)

2.0 LIMITATIONS

The CIM water proofing membranes (CIM 500, 800, CIM 1000, CIM 1000 TROWEL GRADE, and CIM 1061) described in ER- 183 and this report supplement is subject to the following limitations:

2.1 The materials shall be applied in accordance with this report and the manufacturer's published installation instructions. In the event of a conflict between the installation instructions and this report, the more restrictive shall govern.

2.2 This supplement expires concurrently with ER-183.

For additional information about this evaluation report please visit www.uniform-es.org or email us at info@uniform-es.org