

# Waterproofing Under Tile and Dimensional Stone

## Description

The CIM waterproofing system is a two-component asphalt-modified polyurethane that forms a tough elastomeric barrier to water. CIM is used to waterproof critical spaces and is ideal for waterproofing under tile and dimensional stone applications. Common applications include fountains, pools, shower pans, plaza decks and balconies.

CIM waterproofing systems are cold applied and may be installed in a single application. CIM bonds tenaciously to most common construction materials. CIM is easy to apply and forms a seamless and permanent waterproofing barrier.

## Advantages

- High solids, low odor and VOC compliant
- Bonds to most construction materials including asphalt
- Bridges new cracks in concrete up to 1/4"
- Suitable for immersion
- Impermeable chemistry
- Liquid applied, easy to apply
- Cold applied
- UV stable
- Approved for potable water applications, ANSI/NSF 61
- ICC-ES AC115
- ANSI A 118-10-2088
- International Building Code Approval (IBC)
- Uniform Plumbing Code Approval (UPC)
- Resistant to root growth, passes FLL Test ANSI/GRHC/SPRI VR-1 2011



## Packaging

### CIM Waterproofing Materials

5-gallon units, 1-gallon kits, dual cartridges

All asphalt-modified urethane products are approved for use under dimensional stone and tile. Please contact C.I.M. Industries or your local distributor for specific product recommendations.

### CIM 61BG Epoxy Primer and Bonding Agent

5-gallon units and 1-gallon units

### CIM Accessories

Scrim Fabric is available in 6 inch, 12 inch, 40 inch and 10 foot wide rolls. Each roll is 300 feet long.

### Availability, Cost and Technical Assistance

CIM waterproofing materials are available worldwide.

Toll Free: 1-800-543-3458

Telephone: +1-603-924-9481

Email: [information@cimind.com](mailto:information@cimind.com)

Please visit our website [www.cimindustries.com](http://www.cimindustries.com) for product literature, MSDS's and application instructions.

### Warranty

5-year material warranty. Please contact C.I.M.

Industries Inc. for availability of extended warranties.

Keeping Liquids Where They Belong



**C.I.M.  
Industries  
Inc.**

A Chase Corporation Company

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

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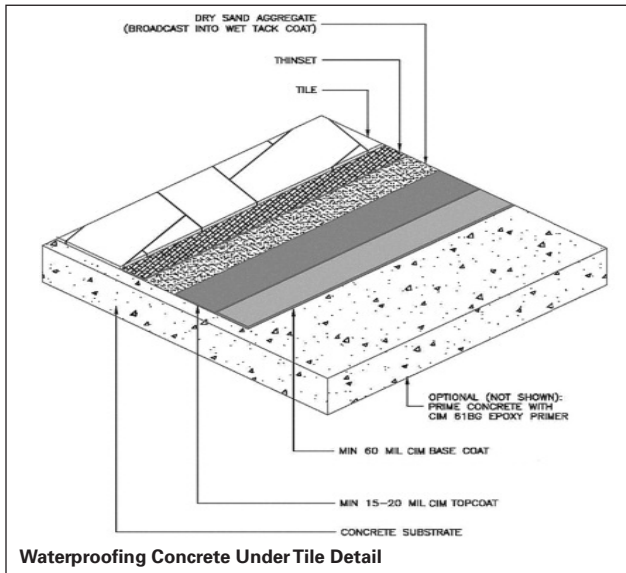
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800.543.3458

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Published data and specifications subject to change without notice.





**Application Instructions**

**Mixing** - One gallon kits **MUST** be mixed with a 2-3 inch spiral mixer, and 4.5-5 gallon units **MUST** be mixed with an 8 inch mud mixer/drywall paddle using a slow speed ½” drill (450-900 rpm). Slowly pour the CIM Activator into the CIM Premix and mix for 3 minutes. CIM waterproofing materials are packaged with enough head space to mix the two components in the original packaging. Do not break down or split containers. CIM Activator is not a catalyst. Do not mix and match the activator and premix products. See CIM Instruction Guide IG-8 “Instruction Guide Mixing CIM Premix and Activator” for detailed information.

**Application Methods**

CIM may be applied with short nap phenolic core rollers, brushes, trowels, notched squeegees, or by glove. Once mixed the pot life of the CIM products is typically 15-30 minutes, and will vary depending on product and application temperatures. The minimum recommended thickness is 60 wet mils.

**Non-Porous Surfaces** - Surfaces must have an adequate profile to maximize adhesion. CIM may be applied directly to non-porous surfaces such as metals, glass, fiberglass, asphaltic materials, and certain plastics. Non-porous surfaces must be clean and dry prior to the application of CIM materials. Surfaces must be roughened to maximize adhesion. Apply a light mist of CIM Bonding Agent no more than 1 hour prior to application of CIM waterproofing materials. CIM 61BG Epoxy Primer may be used in lieu of CIM Bonding Agent. See CIM Technical Data Sheets and Instruction Guides for detailed information.

**Porous Surfaces** - CIM waterproofing materials are commonly applied directly to porous surfaces such as concrete, wood and masonry. Porous surfaces must be clean and dry during the CIM application. Application must be performed when these surfaces are declining in temperature and out of direct sunlight in order to prevent outgassing. CIM 61BG Epoxy Primer may be used to limit outgassing.

**Recoat Windows** - CIM waterproofing systems have a minimum recoat window of 1 hour and a maximum recoat window of 4 hours at 70°F. Recoat windows will vary depending on temperature.

**Joints** - Joints in plywood or other similar construction materials may be reinforced with CIM Scrim Fabric. To install, first apply a 10-20 mil tack coat of CIM over joints, then immediately place the fabric into the wet CIM. Apply additional CIM over the fabric to achieve the minimum required thickness.

**Drains and Penetrations** - Use CIM 1000 Trowel Grade around all drains and penetrations to assure minimum film thickness. CIM Scrim may also be used as reinforcement. Drains and penetrations should be detailed prior to application of CIM materials to surrounding areas.

**Application of Thinset or Mortar Directly to CIM** - The CIM waterproofing system must be finished with an aggregate (black beauty, dry sand, etc.) topcoat if thinset or mortar is to be applied directly to the CIM. Finishing with an aggregate is necessary to achieve a good bond between the CIM and the thinset/mortar. The aggregate must be broadcast into an additional thin tack coat of CIM. **DO NOT BROADCAST AGGREGATE INTO THE 60 MIL BASE COAT.** The tack coat should be installed 2-4 hours after the base coat is applied at 70°F. Broadcast a dry aggregate immediately into the wet tack coat until refusal. Excess aggregate/sand may be removed the following day. For additional information refer to CIM Instruction Guide IG-7 TOPCOATS.

**Coverage Rates**

**Theoretical Coverage**

27 sq ft per gallon at 60 wet mils

**5 gal units**

CIM 800, CIM 1000 and CIM 1061 = 135 sq ft

**4.5 gal units**

CIM 1000 Trowel Grade = 121 sq ft

**1 gallon kits (contains .8 mixed gallons)**

CIM 1061 and CIM 1000 Trowel Grade = 21 sq ft

**Dual Cartridges (850 ml cartridges)**

CIM 1000 Trowel Grade = 4 sq ft

*The coverage rate above do not account for waste or application over irregular surfaces. See CIM Coverage Charts for additional information. Most contractors use 20 sq ft per gallon for concrete or a 15%-20% waste factor.*

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