



## CC THIN FINISH

### ARCHITECTURAL RESURFACING REPAIR MORTAR

**ITEM NUMBER** CC THIN FINISH

#### **DESCRIPTION**

CC THIN FINISH is a single component, polymer modified cement based formulated to smooth, repair, refinish and restore concrete and masonry surfaces. Designed with ultra-fine aggregates and polymer modifiers to ensure a strong bond and smooth finish to vertical, overhead and horizontal concrete substrates. Ideal as a trowel down underlayment or preparation floor patch prior to placement of secondary floor finishes like tile, wood flooring or carpet.

#### **INDUSTRY USES**

Use on horizontal, vertical and overhead concrete and masonry surfaces. Fill in concrete surface defects, voids, bug-holes, tie holes and marks on tilt up walls, poured in place concrete, precast, masonry units to create uniformity and architectural appeal.

#### **BENEFITS AND FEATURES**

- Made in America
- Polymer-modified – featheredge
- Volume stable
- Excellent bonding characteristics
- Thermally compatible: Interior and exterior applications
- Increases durability and freeze-thaw resistance; excellent adhesion
- Prevents delamination caused by temperature changes
- Ready to use; just add water.
- High strength and excellent workability

#### **TECHNICAL DATA**

LABORATORY TESTS:	RESULTS
Working Time @ 72°F	120 minutes
Compressive Strength: ASTM C 109	1 day 1500 psi (10.34 MPa)
	28 days 5,400 psi (37.23 MPa)

#### **COVERAGE**

Approx. 0.38ft<sup>3</sup>/40 lb. bag  
40 lbs. 120 sq.ft. @ 1/16"

#### **PACKAGING**

40 lb. bag

Shelf Life: 1 year in original unopened container

Storage Conditions: Store in unopened container in a dry and cool area Application Temperature Range: 40° F – 90° F (5° C – 32° C).

#### **LIMITATIONS**

Apply only when the surface and ambient temperature are 45-50°F (7-10°C) and rising. See Cold Weather Application guidelines, per ACI, for applications in temperatures less than 50°F (10°C). Applications made during temperatures greater than 85°F (29°C) should follow Hot Weather Application guidelines, per ACI.

Do not add more water than specified.

Do not add additional powder from other units

Do not over mix or retemper

Do not use for resurfacing or topping large floor areas



### **SURFACE PREPARATION**

(See ICRI guidelines)

1. Remove loose and deteriorated concrete by mechanical chipping or sandblasting to obtain a fractured aggregate surface.
2. Detail the edge of the patch to a 90° angle and ¼" deep to eliminate feathering edge.
3. Make sure surfaces are sound, clean and free of all bond-inhibiting materials including oil, dirt, dust and laitance and standing water

### **MIXING**

Use CC VO Crete at a preconditioned temperature of 71 ± 5° F (22 ± 3° C). Use 7.0 to 8.25 pts (3.31 to 3.90L) of water per 50lb (23kg) bag. Mixing must be achieved mechanically using a slow-speed, ¾ inch (19mm) drill and mixing paddle. Pour 7.0 pts (3.31L) of water into a clean 5 gallon (19L) mixing bucket.

Cover the mixing container with a damp rag will extend the working time.

Mix while slowly adding the powder, one-third at a time. Mix up to 4 minutes to a uniform lump-free consistency. Avoid over mixing which could entrap air.

### **APPLICATION**

Apply only to sound and clean properly prepared frost-free surfaces. Dampen the area to be repaired so that the pores of the concrete are filled with water. Remove any ponding or glistening water on the surface (saturated surface dry/SSD). Applications made during temperatures below 50°F (10°C) or above 85°F (29°C) should follow appropriate application guidelines. Trowel or sponge float are good installation tools.

#### **Curing**

Direct sun or wind may cause unwanted rapid surface drying. Curing may be accomplished by continuous water fogging for 48 hours or cover with damp burlap or burlene curing blankets. Do not use solvent-based curing compounds. If a coating or sealer will be applied use water fogging or blanket curing methods and prep finished surface per manufacturer's recommendations.

### **CLEAN UP**

Clean tools and equipment with clean water immediately after use. Cured material must be removed mechanically.

### **CAUTION**

#### **Safety Considerations**

- Use adequate ventilation.
- Use of NIOSH/MSHA approved dust vapor respirator, safety goggles and protective gloves are recommended.

#### **First Aid**

- EYE CONTACT: Flush immediately with water for at least 15 minutes. Contact physician immediately.
- RESPIRATORY CONTACT: Remove person to fresh air. If the discomfort persists, breathing difficulty occurs, or if swallowed seek medical attention.
- SKIN CONTACT: Remove any contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, seek medical attention.

### **WARRANTY**

KEEP CONTAINER TIGHTLY CLOSED – KEEP OUT OF REACH OF CHILDREN – NOT FOR INTERNAL CONSUMPTION – FOR INDUSTRIAL USE ONLY

All information provided by Cornerstone Construction Material LLC (CCM) concerning CCM products, including but not limited to, any recommendations and advice relating to the application and use of CCM products, is given in good faith based on CCM's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with CCM's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of CCM's control are such that CCM assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the CCM product(s) must test the product(s) for suitability for the intended application and purpose before proceeding the full application of the product(s). CCM reserves the right to change the properties of its products without notice. All sales of CCM product(s) are subject to its current terms and conditions of sale which are available by calling 816-380-1082.

Prior to each use of any CCM product, the user must always read and follow the warnings and instructions on the product's most current Technical Data Sheet, product label and Material Safety Data Sheet which are available by emailing [support@ccmaterial.com](mailto:support@ccmaterial.com) or calling 816-380-1082. Nothing contained in any CCM materials relieves the user of the obligation to read and follow the warnings and instruction for each CCM product as set forth in the current Technical Data Sheet, product label and Material Safety Data Sheet prior to product use.



## CC THIN FINISH

---

**LIMITED WARRANTY:** CCM warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Technical Data Sheet if used as directed within the shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

**NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. CCM SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. CCM SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**