



## CC Anchoring Cement

### RAPID SETTING POURABLE ANCHORING CEMENT

**ITEM NUMBER** CC AC

#### **DESCRIPTION**

CC Anchoring Cement is a single component, rapid setting, non-shrink, hydraulic, controlled expansive anchoring cement. Pourable and non-corrosive, non-rusting when mixed with water.

#### **INDUSTRY USE**

CC Anchoring Cement is used for a wide variety of applications that include: Anchoring of wood or metal sign posts, fence posts, parking meters, dowels and rods. Setting appliances, machinery, processing equipment, conveyors and other fixtures in concrete and masonry.

#### **BENEFITS AND FEATURES**

- Made in America
- Quick setting and freeze thaw stable
- Controlled expansion – mechanically locks in place
- Non shrink – fluid placement
- Sets in 20 minutes
- Thermally compatible one component
- Ready to use; easily mixed with water on the job-site

#### **TECHNICAL DATA**

LABORATORY TESTS:	RESULTS
Initial Set Time @ 72°F	5 Minutes
Final Set Time @ 72°F	10 Minutes
Length Change @ 28 days	0.08 %
Compressive Strength: ASTM C 109	1 hour: 13000 psi (20.7 MPa) 1 day: 6000 psi (41.4 MPa) 28 days: 8000 psi (55.2 MPa)

#### **COVERAGE**

Approx. 0.45ft<sup>3</sup>/50 lb. pail

#### **PACKAGING**

50 lb. Pail or bag

8.0 lb. Pail

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

Not for use when anchoring aluminum

Do not add other cements or additives



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### **SURFACE PREPERATION**

Substrate to be applied must be cleaned of any film, scale, loose material, oils, grease and any other foreign material that will prohibit bond. Surface preparation must be achieved by mechanical means and methods. A fractured aggregate profile for concrete is preferred. Substrate must be saturated surface dry (SSD) with no standing water. The hole should be at least 1" (25.4mm) larger than the size of the bolt or railing. Holes should be at least 2"- 4" (51 -102mm) deep. Increasing depth will increase pullout strength.

### **MIXING**

Always use a clean container. Do not use sand or aggregate to extend material. The mix ratio should be 16.7% water by weight. Mix 25 ounces or 1.6 pints of cool, clean potable water to every 10 lbs. of CC Anchoring Cement. For a 50 lb. bag use one gallon ( 8 pints) of water. Mix no more Anchoring Cement than can be used in 5 minutes. Always add the powder to the liquid when mixing. Mix to a lump free consistency. Do not overwater as this causes bleeding and segregation. Do not re-temper after initial mixing.

#### **For vertical applications:**

Add just enough water for a putty-like consistency. Keep mixing for 1 ½ minutes. Allow the powder to fully absorb the moisture until it begins to look like putty.

Follow ACI procedures for cool weather by adding warm water and ACI procedures for warm weather by adding cool water.

### **APPLICATION**

Hole Preparation: Pre-dampen hole prior to placement. Ensure all standing water has been removed. Place anchor in the prepared hole and slowly fill with Anchoring Cement. Do not move anchor until Anchoring Cement has developed an initial set. Place a lump free flowable to fluid consistency into hole.

### **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.

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

### **LIMITED WARRANTY**

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.

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warnings and instruction for each CCM product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use.

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 when used in accordance with the written instructions. 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.

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