



Blending Cement Products Since 1967

ANCHOR TITE



**Founded, Based and
MADE IN THE U.S.A.**

Gypsum Based
Anchoring Cement

DESCRIPTION:

ANCHOR TITE Anchoring Cement is used in the anchoring of heavy machinery, railings, guard rails, banisters, repairing of cracks on damaged concrete substrate. It is a non-shrink, hydraulic, controlled expansion cement in a ready to use preparation. Water is added at the job site to provide a pourable, durable anchoring or patching compound.

ANCHOR TITE Anchoring Cement has almost unlimited field applications.

PRODUCT FEATURES:

- No rodding, chaining or vibrating
- Pourable
- Ideal for patching floors, walls, cracks in concrete structures, caulking foundations/wall voids
- No Alkalinity - Will not rust or corrode iron, steel or aluminum
- No heating or two component mixing needed
- Quick Setting - Sets in 15 minutes
- Expands as it sets
- Stronger than concrete in 1 hour
- Meets ASTM C-1107

SUBSTRATE PREPARATION:

The concrete must be at least 28 days old and fully cured. The hole must be free of particles and debris. Water-scrub sides and bottom with stiff scrub brush. Remove excess water. The hole must be clean and uniformly damp. Always use the appropriate flat washer for the size bolt you are anchoring. Place bolt in hole with head down and washer resting on the head.

ANCHOR SIZE INSTALLATION RECCOMENDATIONS:

Diameter (Anchor, Bolt)	Width (Min-Max)
1/4"	1/2" - 3/4"
3/8"	5/8" - 1"
1/2"	3/4" - 1-3/4"
5/8"	1" - 2"
3/4"	1" - 2-1/2"
1"	1-1/2" - 3-1/2"
1-1/4"	1-1/2" - 4-1/4"
1-1/2"	2" - 4"
2"	2-1/2" - 4"
2-1/2"	3" - 4"
3"	4"

MIXING AND INTERIOR APPLICATIONS:

Add a 1/2 quart (16 oz.) of clean potable water to every 5 pounds of ANCHOR TITE and mix to a smooth, flowable consistency. If mixing smaller amounts by hand mix 3.2 oz. water for every 1 pound of ANCHOR TITE. Once the mix is lump free, pour the material around the bolt or anchor. **Fill the material slightly above substrate level. DO NOT LEAVE THE ANCHOR TITE TO SET WHERE WATER CAN PUDDLE AROUND THE BOLT OR ANCHOR.**

For applications that require a more plastic-like consistency, reduce the amount of water slightly until the desired consistency is achieved.

03 61 00
Cement Grouting



03 50 00
Concrete Repair



PACKAGING:

50, 25, 10 and 5 lb. units

COLOR:

Off White

CONTROLLED EXPANSION:

.15 %

APPROXIMATE COVERAGE:

50 lbs. of ANCHOR TITE will cover .5 cubic feet

WEIGHT:

110 lbs. per cubic foot

APPLICATION TEMPERATURE

RANGE:

35° - 95°F

SET: ASTM C-191 (70°F - 50% RH)

Working Time: 15 Minutes

Final Set: 60 Minutes

BOND STRENGTH

(USING A325 BOLTS)

Bolt Dia.	Hole Dia.	Depth
1/4"	3/4"	2"

Result: 4900 Psi (Nut Fail)

Bolt Dia.	Hole Dia.	Depth
1/2"	1-1/2"	4"

Result: 13,500 Psi (Concrete Fail)

Bolt Dia.	Hole Dia.	Depth
1/4"	3/4"	2"

Result: 42,000 Psi (Concrete Fail)

Bolt Dia.	Hole Dia.	Depth
1"	2"	8"

Result: 68,000 Psi (Concrete Fail)

ANCHOR TITE

EXTERIOR APPLICATIONS:

When using anchoring cement for exterior applications where excessive standing water is present, CGM recommends the use of SUPER POR-ROK.

In cases where aluminum railings are being installed, CGM HIGHLY recommends the use of Anchor Tite for all environmental conditions; however one of the two following options MUST be used in standing water environments to protect the product from standing water.

OPTION 1:

Once ANCHOR TITE is set (15 minutes) mix and additional amount of ANCHOR TITE with slightly less water and cone the top surface around the anchor. This will prevent water from settling on the surface and possibly damaging the installation.

OPTION 2:

Fill the hole with ANCHOR TITE flush to the top of the concrete. **7 days after installation seal with any concrete sealer rated for exterior use.**

FAILURE TO PROPERLY MITIGATE STANDING WATER FROM ANCHOR TITE WILL RESULT IN POSSIBLE PRODUCT FAILURE.

INSTALLATION TIPS:

1. DO NOT OVER-WATER ANCHOR TITE. Over-watering can inhibit long term strength and durability.
2. ANCHOR TITE should be poured slightly above substrate level. Leaving a depression would allow water to settle in the application and weaken its integrity over time.
3. The hole to accept the bolt or anchor should not be drilled within 4" of the corner or the edge of the concrete substrate.
4. DO NOT INSTALL ANCHOR TITE where the application temperature has been below 32 degrees during The 24 hours before installation or will fall below 32 degrees during the 24 hours after installation.
5. If a smooth surface is desired a flat trowel can be used when ANCHOR TITE begins to stiffen.

COMPRESSIVE STRENGTH:

(ASTM C 109)

1 Hour	5,090 psi	35.1 MPa
1 Day	5,340 psi	36.8 MPa
7 Days	6,915 psi	47.7 MPa
28 days	9,254 psi	63.8 MPa

STORAGE:

Store in cool dry place. Tightly seal package and do not expose to sun.

FLAMMABILITY: (ASTM E-84)

Flame Spread: -0-

Fuel Contribution: -0-

Smoke Development: -0-

VOLITALE ORGANIC COMPOUNDS

0 g/l

CLEAN UP:

Clean tools with water immediately after use or by mechanical means once dry.

HEALTH AND SAFETY:

Always refer to the Safety Data Sheet (SDS) prior to using this product for full Health, Safety and Handling guidelines. SDS sheets are available by calling 215.638.4400 or you can visit www.cgmbuildingproducts.com

For Professional Use Only

KEEP OUT OF REACH OF CHILDREN



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