



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, crack 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 or 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 1 part water with 5 parts 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 SET WHERE WATER CAN PUDDLE AROUND THE BOLT OR ANCHOR**).

03 61 00
Cement Grouting



03 50 00
Concrete Repair



PACKAGING:

50 lb. pails

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

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

EXTERIOR APPLICATIONS:

NOTE: ANCHOR TITE will exhibit strength loss where left exposed to water.

For exterior applications, we recommend the use of SUPER ANCHOR TITE.

In instances where SUPER ANCHOR TITE is not available there are two installation options that will extend the life of ANCHOR TITE in exterior applications.

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 sealer rated for exterior use.

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 with 4" of the corner or the edge of the concrete substrate.
4. Do not install ANCHOR TITE where the application temperature will go below 32 degrees for 24 hours.
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	3000 psi	20.7 MPa
1 Day	5000 psi	34.5 MPa
7 Days	6000 psi	41.4 MPa
28 days	8000 psi	55.2 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 267.522.8000 or you can visit www.cmpsp.com

For Professional Use Only

KEEP OUT OF REACH OF CHILDREN

