



Blending Cement Products Since 1967

POR-ROK®



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

Premium Gypsum Based
Anchoring Cement

DESCRIPTION:

POR-ROK® 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.

POR-ROK® 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 20-30 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 POR-ROK® and mix to a smooth, flowable consistency. If mixing smaller amounts by hand mix 3.2 oz. water for every 1 pound of POR-ROK®. 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 POR-ROK® 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 POR-ROK® 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: 10 Minutes

Final Set: 20-30 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)

EXTERIOR APPLICATIONS:

When using Por-Rok® Products 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 regular Por-Rok® 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 POR-ROK® is set (15 minutes) mix and additional amount of POR-ROK® 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 POR-ROK® flush to the top of the concrete. **7 days after installation seal with any sealer rated for exterior use.**

FAILURE TO PROPERLY MITIGATE STANDING WATER FROM POR-ROK® WILL RESULT IN POSSIBLE PRODUCT FAILURE.

INSTALLATION TIPS:

1. DO NOT OVER-WATER POR-ROK®. Over-watering can inhibit long term strength and durability.
2. POR-ROK® 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 POR-ROK® 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 POR-ROK® begins to stiffen.

COMPRESSIVE STRENGTH:

(ASTM C 109)

1 Hour	5,000 psi	34.5 MPa
1 Day	5,200 psi	35.9 MPa
7 Days	6,800 psi	46.9 MPa
28 days	9,000 psi	62.0 MPa

SHELF LIFE:

12 Months—Rotate Stock

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-

VOLATILE 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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