



# 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, 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 POR-ROK and mix to a smooth flowable consistency. If mixing smaller amounts by hand mix 1 part water with 5 parts 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 slight 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: 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)		

28 days	9,254 psi	63.8 MPa
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## EXTERIOR APPLICATIONS:

NOTE: POR-ROK will exhibit strength loss where left exposed to water.

For exterior applications, we recommend the use of SUPER POR-ROK.

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

### 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.

## 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 with 4" of the corner or the edge of the concrete substrate.
4. Do not install POR-ROK 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 POR-ROK 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-

## 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 267.522.8000 or you can visit [www.cmpsp.com](http://www.cmpsp.com)

For Professional Use Only

**KEEP OUT OF REACH OF CHILDREN**

