



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

Premium Cement Based  
Anchoring Cement

**DESCRIPTION:**

SUPER 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.

SUPER POR-ROK ANCHORING CEMENT has almost unlimited field applications.

**TYPICAL APPLICATIONS:**

- Anchors-Bolts, Dowels, Railings, Reinforcing Rods, Machinery, Pipes in Concrete
- Grouts—Heavy Machinery, Structural Columns, Bearing Plates, Pre-cast Columns
- In setting, exerts expansion forces which “locks in”
- Anchor bolts, railings, etc.

**PRODUCT FEATURES:**

- No rodding, chaining or vibrating
- Pourable
- Ideal for patching floors, walls, crack in concrete structures, caulking foundations/wall voids
- Interior or Exterior use
- No heating or two component mixing needed
- Quick Setting - Sets in 15 minutes
- Expands as it sets
- Stronger than concrete in 6 hours
- Product complies with all the properties of ASTM C1107 when tested at 73 degrees.

**SUBSTRATE PREPARATION:**

The concrete must be at least 28 days old and fully cured. The hole must be free of particles and debris. Fill hole with 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"

**EXPOSED ALUMINUM WARNING:** For aluminum railing installations CMP recommends the use of Por-Rok. In instances where SUPER POR-ROK has to be used the aluminum railing must be coated both inside and out. Installing SUPER POR-ROK to exposed aluminum will cause uncontrolled expansion which may result in installation failures.

**03 61 00**  
Cementitious Grouting



**03 50 00**  
Concrete Repair



**PACKAGING:**

50 lbs. pails and 5 lb. tubs

**COLOR:**

Light Grey

**POT LIFE:**

10 minutes

**SET TIME: @ 70°F**

60 Minutes

**COVERAGE:**

50 lbs. of SUPER POR-ROK will cover .5 cubic feet

**WEIGHT:**

129 lbs per cubic foot

**APPLICATION TEMPERATURE**

**RANGE:**

35° - 95°F

**COMPRESSIVE STRENGTH**

**(ASTM C 109)**

3 Hours	2,100 psi	(14.4 MPa)
1 Day	4,500 psi	(31.0 MPa)
7 Days	5,600 psi	(47.7 MPa)
28 days	7,200 psi	(63.8 MPa)

**BOND STRENGTH**

**(USING A325 BOLTS)**

Bolt Dia.	Hole Dia.	Depth
1/2"	1-1/2"	6"

Result: 28,900 Psi (Bolt Broke)

Bolt Dia.	Hole Dia.	Depth
1"	2-1/4"	10"

Result: 73,000 Psi

Bolt Dia.	Hole Dia.	Depth
# 4 Rebar	1"	8"

Result: 26,500 Psi (Rod Fractured)

Bolt Dia.	Hole Dia.	Depth
# 8 Rebar	2"	16"

Result: 75,000 Psi (Rod Fractured)

# SUPER POR-ROK

## MIXING AND INTERIOR APPLICATIONS:

NOTE: SUPER POR-ROK is a cement based anchoring cement. Adding more water than recommended will cause a delayed set time, lower strengths and surface dusting.

Add 3/4 quarts (24 oz) of clean potable water to every 10 pounds of SUPER POR-ROK and mix to a smooth flowable consistency. If mixing smaller amounts by hand mix 1 part water with 5 parts SUPER 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 SUPER POR-ROK SET IN 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.

## IMPORTANT APPLICATION NOTES AND LIMITATIONS:

1. DO NOT OVER-WATER SUPER POR-ROK. Over-watering cement based products can inhibit long term strength and durability.
2. SUPER 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 SUPER POR-ROK where the application temperature will go below 32 degrees within 24 hours.
5. If a smooth surface is desired a flat trowel can be used when SUPER POR-ROK begins to stiffen.
6. Temperature will effect set time. Colder temperatures will extend set time while warmer temperatures will shorten set time and workability.
7. For aluminum railing installations CMP recommends the use of Por-Rok. In instances where SUPER POR- ROK has to be used the aluminum railing must be coated both inside and out. Installing SUPER POR-ROK to exposed aluminum will cause uncontrolled expansion which may result in installation failures.

### **Flexural Strength:**

1260 psi

### **Tensile Strength:**

450 psi

### **Required Tools:**

Low rpm Drill  
Jiffy type mixing paddle  
Water measuring pail  
Mixing pail

### **Eligible LEED credits : 5**

Regional Materials (MR 5.1 & 5.2)  
2 Points

Low Emitting Materials (EQ 4.1)  
1 Point

### **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](http://www.cmpsp.com)

For Professional Use Only

**KEEP OUT OF REACH OF CHILDREN**

