

# POR-ROK®



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.

## FEATURES/BENEFITS

- 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

## APPLICATION

**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.

**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.

**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

## APPLICATION CONT.

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.**

**Color:** Off White

**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)

**Volitale Organic Compounds:** 0 g/l

## TYPICAL TEST DATA

### Compressive Strength (ASTM C 109)

1-hour after set	5000 psi	34.5 MPa
1 day	5200 psi	35.9 MPa
7 days	6,800 psi	46.9 MPa
28 days	9000 psi	62.0 MPa

**Expansion (ASTM C 157) moist cure = .15%**

## ANCHORING GUIDELINES

The following table specifies the recommended opening to be drilled so that the strength of the anchor will approximate the tensile strength of the steel bolt or cause concrete failure

### Suggested Cement Grout Anchoring Parameters

Diameter of Bolt/ Anchor	Diameter of Opening	Minimum Depth of Anchor
1/4"	3/4"	2"
1/2"	1 1/2"	4"
3/4"	1 3/4"	6"
1"	2"	8"



1511 Baltimore Ave, Suite 600  
Kansas City, MO 64108  
www.specchemllc.com 866.791.8700

## LIMITATIONS/PRECAUTIONS

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.

## PACKAGING

50 lb. 25 lb. 10 lb. and 5 lb. units

## SHELF LIFE

12 months—Rotate Stock

## STORAGE

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

## WARRANTY

### NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

### WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

### INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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