



Blending Cement Products Since 1967

SUPER POR-ROK®



**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, and in the repair 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, and cracks in concrete structures and caulking foundations/wall voids
- Interior or Exterior use
- No heating or two component mixing needed
- Quick setting - Sets in 20-30 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 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"

EXPOSED ALUMINUM WARNING: For aluminum railing installations CGM recommends the use of POR-ROK™ Anchoring Cement. 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 will result in installation failures.

03 61 00

Cementitious Grouting

3

03 50 00

Concrete Repair

3

PACKAGING:

50 lbs. pails and 5 lb. tubs

COLOR:

Light Grey

WORKING TIME:

10 minutes

SET TIME: @ 70°F

20-30 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	(38.6 MPa)
28 days	7,200 psi	(49.6 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 performance failures. (see limitations below)

MIX SUPER POR-ROK® WITH 15% CLEAN POTABLE WATER BY WEIGHT to a smooth flowable consistency. If mixing smaller amounts by hand mix 2.3 oz. of clean potable water to every 1 pound of SUPER POR-ROK® to a smooth flowable consistency. Once the mix is lump free, pour the material around the bolt or anchor. Fill the material even with the substrate level (DO NOT LEAVE THE SUPER POR-ROK® TO 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.

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. The water for SUPER POR-ROK® MUST be measured precisely. Failure to do so will result in excessive water absorption resulting in freeze /thaw damage, causing cracking and job failure.**
- SUPER POR-ROK® should be poured slightly above surrounding substrate level.
Leaving a depression will allow water to settle in the application and weaken its integrity over time.
- The hole to accept the bolt or anchor should not be drilled within 4" of the corner or the edge of the concrete substrate.
- Do not install SUPER POR-ROK® where the application temperature will go below 32 degrees within 24 hours.
- If a smooth surface is desired a flat trowel can be used when SUPER POR-ROK® begins to stiffen.
- 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 CGM 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 ANY exposed aluminum will cause uncontrolled expansion which will 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

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-

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 on www.cgmbuildingproducts.com or by calling 215 638-4400

For Professional Use Only

KEEP OUT OF REACH OF CHILDREN



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