



SPECCRETE® SPECCOROCK

POURABLE ANCHORING AND CASTING CEMENT GROUT

SPECCRETE® SPECCOROCK is a pourable, fast setting, high early strength hydraulic cement grouting compound used for anchoring, leveling, and grouting concrete surfaces. **Speccorock** requires only potable water for mixing and achieves initial set within 15 minutes. Typical uses and field applications include setting anchors, dowels, railings, reinforcing rods, and machinery in concrete, as well as for grouting structural columns, bearing plates, or precast columns. **Speccorock** can also be used as a castable cement grout for pouring into molds or forms. Due to its fine composition and quick strength gain, highly detailed, void free castings can be removed from the molds within 1 – 2 hours. **Speccorock** is recommended primarily for interior applications, however it can be used for exterior applications under roof and that are not exposed to long term water exposure. For uncovered exterior applications, the use of **SPECCRETE® SPECCOROCK XT** is recommended.

BENEFITS:

- **POURABLE.**
- **EASY TO USE, MIX WITH WATER ONLY.**
- **HIGH EARLY STRENGTH GAIN, STRONGER THEN CONCRETE IN 1 HOUR.**
- **RAPID SETTING - 15-20 MINUTES INITIAL.**
- **SELF-LEVELING, NO RODDING, CHAINING OR VIBRATING IS NECESSARY.**
- **LIGHT GRAY COLOR.**
- **CAN BE USED AS A CASTABLE CEMENT GROUT FOR FILLING MOLDS.**

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed & manufactured regionally at production location: Lemont, Illinois 60439. 90% Content- Harvested within 500 miles.

COMPOSITION: Blend of Portland and fast setting hydraulic cements.

TECHNICAL DATA:

WORKING & PERFORMANCE PROPERTIES @ 70° F (21° C) (APPROXIMATE):	
Yield per 45 lb. Pail:	0.44 cubic feet
Initial Set per ASTM C-403:	15 Minutes
Final Set per ASTM C-403:	27 Minutes

AGE OF SAMPLE:	COMPRESSIVE STRENGTH PER CRD-621:
1 HOUR:	4180 psi
1 DAY:	5370 psi
3 DAYS:	6590 psi
14 DAYS:	8200 psi
28 DAYS:	9720 psi

PULL OUT LOAD TEST PER CRD-C621 FOR 3/4 INCH DIAMETER HEX MACHINE BOLT ANCHORED IN 2 INCH DIAMETER HOLE 6 INCHES DEEP:	
3 days	35,500 psi (Exceeds Corps of Engineers Specification CRD-C 621)

%VOLUME CHANGE:	UNCOATED REBAR :
3 days	+0.000
14 days	-0.008
28 days	-0.008

*- All tests above were run at 28.9 % water to powder ratio (13.0 lbs. water / 45.0 lbs. powder)



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DIRECTIONS FOR USE: Surfaces must be structurally sound, clean and free of oil, grease, dirt and all contaminants. **THOROUGHLY SATURATE THE AREA WITH POTABLE WATER PRIOR TO PLACING *SPECCOROCK*.** Remove excess water from holes and voids just prior to placing *Speccorock* to prevent dilution of the material. Mix 4 parts of *Speccorock* to 1 part of potable water **by weight** until a flowable consistency is obtained. Each 9 lb. of *Speccorock* will require approximately 2.3 pints of water. Mix small quantities in a clean container with a hand trowel. Larger quantities may be mixed with a slow speed motor and paddle mixer or in a rotary mixer with rubber tip blades. Mix only enough material that can be placed in ten minutes.

RECOMMENDED DIAMETERS AND DEPTHS FOR ANCHORING BOLTS: The following table specifies the recommended opening to be drilled so that the strength of the final material will approximate tensile strength of a mild steel bolt of the diameter shown or cause concrete failure. **NOTE-All bolts must have a washer.** The washer should be large enough to fit the diameter of the opening with only enough tolerance so that the washer will be free to reach and rest securely against the head of the bolt at the bottom of the opening. If the washer is slightly too large, it is better to widen the opening than to reduce the size of the washer.

Diameter of Bolt to be fastened:	Diameter of Opening:	Minimum Depth of Opening:
1/4"	3/4"	3"
3/8"	1 1/4"	4"
1/2"	1 1/2"	4"
5/8"	1 3/4"	6"
3/4"	1 7/8"	6"
1"	2"	8"
1 3/4"	2 1/2"	12"

NOTE-The minimum depths shown are based on openings drilled in sound concrete or at least 3000 psi compressive strength

CAUTIONS: *Speccorock* can possibly erode and/or exhibit strength loss if left exposed to water for prolonged periods of time if left uncoated or unsealed. When high water contact conditions exist, the use of *Speccrete® Speccorock XT* is recommended. Do not use *Speccorock* if the temperature is below 33° F. Do not apply to frozen or frost filled surfaces. Use only potable water for mixing. Contains cement, avoid inhalation of dust. Wear gloves during the mixing and placement of material.

GHS HAZARD RATINGS: DANGER:



IRRITANT:
RESPIRATORY TRACT IRRITATION



HEALTH HAZARD:
KNOWN CARCINOGEN



HEALTH HAZARD:
CORROSIVE MATERIAL

WARNINGS: HEALTH HAZARD & IRRITANT: THIS PRODUCT CONTAINS BOTH PORTLAND CEMENT & CRYSTALLINE SILICA (A KNOWN CARCINOGEN). IT IS ESTABLISHED THAT PROLONGED BREATHING OF CRYSTALLINE SILICA DUST OVER TIME WILL INCREASE THE RISK OF SERIOUS LUNG DISEASE (SILICOSIS). REFER TO PRODUCT S.D.S. (SAFETY DATA SHEET) FOR FIRST AID INFORMATION, OR ANY RELATED HEALTH AND SAFETY INFORMATION BEFORE USING THIS PRODUCT. FOR MEDICAL EMERGENCIES ONLY, CALL INFOTRAC AT 1-800-535-5053.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. Avoid Inhalation of these dusts and any prolonged, direct contact with skin. Wear chemical resistant gloves, safety goggles, and O.S.H.A. /N.I.O.S.H. approved respirator during mixing and placement. Keep away from food and drink. Wash hands thoroughly after use and before eating. Do not take internally.

NPCS HMIS SAFETY RATINGS: HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, PROTECTION = E

PACKAGING: 45 lb. (20.4 kg) pails

STORAGE: 40°F to 90°F in a dry, climate protected warehouse.



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SHELF LIFE: 1 year properly stored

FREIGHT CLASS: Item #42130, Sub 0, Freight Class 50 - Cement base grouting material in pails

WARRANTY: *Specco Industries, Inc. (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. No other representations or statements made by Specco representatives, in writing or orally, shall alter this warranty. Specco MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by Specco or through a Specco authorized distributor or reseller. Specco has no control over adherence to Specco's application standards, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco's products for the Buyer's intended purposes.*

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