



SPECCRETE® SPECCOROCK XT

EXTERIOR POURABLE ANCHORING CEMENT BASED GROUT

PRODUCT DESCRIPTION: *Speccko Speccrete® Speccorock XT* is a pourable, fast setting, high early strength hydraulic cement grouting compound used for anchoring, leveling, and grouting concrete surfaces. *Speccrete® Speccorock XT* requires only potable water for mixing and achieves initial set within approx. 60 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. *Speccrete® Speccorock XT* is recommended for interior or exterior applications as a more water-resistant anchoring grout than some traditional, quicker setting anchoring products.

BENEFITS:

- Can be used inside or outside
- Withstands water erosion
- Pourable
- Easy to use, mix with water only
- Economical
- High early strength gain
- Good dimensional stability
- Pourable, easy leveling formulation, no rodding, chaining or vibrating is necessary
- Light gray color
- Stronger than traditional concrete mixes in approx. 3 hours

COMPOSITION: Blend of calcium aluminum sulfate cements and fast setting hydraulic cements.

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

TECHNICAL DATA:

WORKING & PERFORMANCE PROPERTIES @ 70° F (21° C) (APPROXIMATE):	
Yield per 50 lb. Pail:	0.44 cubic feet
Initial Set per ASTM C-403:	35-45 Minutes
Final Set per ASTM C-403:	60-70 Minutes

AGE OF SAMPLE:	COMPRESSIVE STRENGTH PER CRD-621:
3 HOURS:	4525 psi
1 DAY:	6200 psi
7 DAYS:	8900 psi
28 DAYS:	10,100 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	-0.007
28 days	-0.007

*All tests above were run at a plastic mix of 15.95 % water to powder ratio (7.97 lbs. water (3.82 qts.) / 50.00 lbs. powder)





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 *Speccrete® Speccorock XT*.** Remove excess water from holes and voids just prior to placing *Speccrete® Speccorock XT* to prevent dilution of the material. For a pourable mix, add 20.50 % water to powder = approximately 10.25 lb. of water (4.9 qt.)/ 50 lb. unit of *Speccrete® Speccorock XT* powder until a pourable consistency is obtained. For a stiffer, trowelable mix, use reduced water of 15.95% water to powder = 3.82 quarts water/50 lb. unit. Mix smaller 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 30 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: Do not use *Speccrete® Speccorock XT* if the temperature is below 33° F. Adding additional water over what is recommended will result in lower compressive strength totals. Use only potable water for mixing. Do not apply to frozen or frost filled surfaces. 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 @ 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: 50 lb. (22.72 kg) pails

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

SHELF LIFE: 1 year properly stored

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



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