SPECCRETE® STONE SET

BEDDING MORTAR FOR BRICK & CULTURED STONE

PRODUCT DESCRIPTION: *Specco Speccrete® Stone Set* is a pre-blended cementitious material used to apply stone, cultured stone or brick to vertical surfaces. Mixed with only potable water, *Speccrete® Stone Set* provides a viscous mortar which exhibits superior adhesion properties. *Speccrete® Stone Set* achieves 5000 psi in 28 days and does not shrink, crack or bleed. *Speccrete® Stone Set* is formulated in a light gray color and may be pigmented using synthetic iron oxides.

BENEFITS:
➢ **Exhibits high adhesion & cling for vertical masonry applications**
➢ **Obtains higher compressive strengths than traditional mortar mixes**
➢ **Viscosity modified for improved hydration with no shrinkage cracking or surface bleed**

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.

COMPOSITION: Portland cement, selected aggregates with viscosity modifiers

TECHNICAL DATA:

WORKING & PERFORMANCE PROPERTIES @ 70° F (21° C) (APPROXIMATE):	

Yield per 50 lb. Bag:	0.46 cubic feet
Coverage per 50 lb. Bag:	22 square feet at ¼ inch thickness

Initial Set per ASTM C-403:	1 hour and 30 minutes
Final Set per ASTM C-403:	2 hours and 15 minutes

Compressive Strength per ASTM C-109	
1 day:	2100 p.s.i. (14.7 Mpa)
3 days:	3800 p.s.i. (26.6 Mpa)
7days:	4525 p.s.i. (31.7 Mpa)
28 ays:	5400 p.s.i. (37.8 Mpa)

*Properties above based on addition of 4.20 quarts water (8.75 lb.) / 50 lb. bag = 17.50 % water to powder

DIRECTIONS FOR USE: Fasten plaster lath or wire mesh securely to the surface to be covered. *Speccrete® Stone Set* will require 4.20 quarts (3.97 liters) of potable water per 50 lb. bag for proper non-sag consistency on vertical applications (stiff mix). For a more trowelable mix on horizontal /flatwork applications, add 5.00 quarts/ 50 lb. bag (more plastic mix). Mix small quantities in a clean container with a hand trowel. Larger quantities may be mixed with a slow speed mortar and paddle mixer or in a rotary mixer with rubber tip blades. Pigment may be added to *Speccrete® Stone Set* as instructed by the pigment manufacturer. Blend pigment into the dry powder before adding water. Make sure to keep water additions the same with each batch to ensure color uniformity as additional water will exhibit lighter shades.

Place *Speccrete® Stone Set* immediately after mixing. Use a serrated trowel to spread the material evenly over the lathed area. Also apply *Speccrete® Stone Set* to the back of the stone or brick to be set. Press the stone in place squeezing out the excess material. Apply the mixed material within one hour of mixing. Use a jointer tool to finish and swipe joints.

CAUTIONS: Use only potable water for mixing. Adding additional water to the mixed material other than what is recommended above will result in slower set times, lower ultimate compressive strengths, and possible shrinkage crack formation. *Speccrete® Stone Set* is to be used as a base "bedding mortar" only and is not recommended as a topping mortar due to its high cement concentration. Mixing *Speccrete® Stone Set* with any additional mortars or aggregates will vary end properties and is not recommended. Do not apply if the temperature is below 40º F (4º C) and dropping or above 90º F (32º C) and rising.

CAUTIONS (continued): Do not apply to frozen or frost filled surfaces. Protect from excessive sun and wind exposure, as well as temperature extremes that could prevent inadequate curing.

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. (22.70 kg) bags

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

SHELF LIFE: 1 year properly stored

FREIGHT CLASS: Item #42130, Sub 0, Freight Class 50 -Cement based patching material in bags

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.*

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