

SC Concrete Finish

Cement-based Decorative and Damp-proofing Coating



DESCRIPTION

SC CONCRETE FINISH is a decorative, cement-based concrete resurfacing mortar for smoothing, resurfacing, rubbing, sacking, and restoring concrete surfaces. SC CONCRETE FINISH is also formulated as a waterproofing coating to provide a uniform water-resistant coating to vertical concrete and masonry substrates. SC CONCRETE FINISH closes the internal voids in the substrate, but still allows full breathability.

FEATURES/BENEFITS

- Waterproofs interior/exterior, above/below grade positive side masonry & concrete vertical applications.
- Apply to concrete block, brick, stone, precast concrete or formed concrete.
- Offers a consistent texture and uniform color alternative to jobsite sacking mixes (cement/sand)

APPLICATION

Surface Preparation: The surface must be structurally sound, clean, and free of dirt, release agents, efflorescence, curing compounds, laitance, and other contaminants. Remove form marks and other protrusions to prevent “show through”. Repair all surface defects including cracks and voids with SC CONCRETE FINISH mixed to a mortar consistency. Cut back wires a minimum of 3/4” and repair with SpecPatch or SpecPlug. Dampen the surface with clean water immediately before SC CONCRETE FINISH application.

Mixing: SC CONCRETE FINISH must be mechanically mixed using a slow speed motor and mixing blade to thoroughly disperse the ingredients. Mix for approximately three minutes. Do not over-mix the material.

- Pour approximately one half of the required 5 quarts (10 pints) into an empty, clean container and begin slow speed mixing.
- Mixing liquid can be adjusted based on the type of application method.
- Slowly add SC CONCRETE FINISH and mixing admixture* (water or StrongBond mixture) as needed to bring the mixture to a heavy, completely blended pancake batter consistency.
- Stop mixing and allow the mixture to “fatten” for three minutes.
- Re-mix and, if necessary, adjust the mixing admixture to the desired consistency.

*Note: To improve bonding & mechanical properties on concrete, masonry and for all trowel applications, prepare an acrylic admixture using 1 part StrongBond Acrylic Bonder and 3 parts potable water.

For example, two gallons of mixing admixture consists of two quarts of StrongBond Acrylic Bonder blended with six quarts of water.

APPLICATION (con’t)

Application: Pre-dampen the substrate with clean, potable water before any application. SC CONCRETE FINISH should be applied to a damp surface. Can be applied from a feather edge to maximum 3/8” per lift. If necessary apply two uniform applications of SC Concrete Finish, each application at approximately 1/8”, allowing 24 hours between applications.

Brush-Applied: Apply using a six inch cement masons brush. Load bristles and lay on a heavy coat using long, smooth horizontal strokes. Apply sufficient material to fill voids. Final strokes should all be in one direction to produce an even texture and finish. Allow first coat to dry for 12 to 24 hours before applying a finish coat.

Spray-Applied: Mix with 10-12 pints of liquid for a more sprayable consistency. Use heavy duty plaster or hopper type low pressure spray equipment capable of spraying cement-based products or mastics.

Trowel-Applied: Mix with 7-10 pints of liquid for a stiffer, more trowel able consistency. The use of trowel applications is required in some severe water pressure situations.

TEST DATA

Typical Test Results		
Property	Results	Test Methods
Initial Set (mins)	100	ASTM C266
Final Set (mins)	200	ASTM C266
Compressive Strength (psi)		
7 days	2500	ASTM C109
28 days	4000	ASTM C109
Flexural Strength (psi)		
7 days	350	ASTM C348
28 days	800	ASTM C348
Tensile Strength (psi)		
14 day	385	ASTM C190
Water Absorption by	4.5%	ASTM C642
Freeze/thaw Resistance	No change	ASTM C666



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PACKAGING/COVERAGE

50 lb bags (60 bags per pallet)
Also available in 50 lb pails (36 pails per pallet)

COVERAGE: Approximate coverage when mixed with 5 quart of liquid is 45-50 sq-ft @ 1/8"

CLEAN UP

Tools and equipment may be cleaned with water before SC CONCRETE FINISH hardens.

SHELF LIFE

Shelf life of unopened bags stored in a dry facility is 12 months. Excessive temperature differential and/or high humidity can shorten the shelf life expectancy. Store in a cool, dry area away from direct sunlight.

LIMITATIONS/PRECAUTIONS

SC CONCRETE FINISH is not designed to withstand direct abrasion. Do not use on surfaces to receive foot or vehicle traffic.

When covering irregular surfaces containing mortar joints, holes etc, apply two applications of SC CONCRETE FINISH at a maximum of 3/8" per coat to minimize shadowing or reflective irregularities.

Do not retemper after initial mixing. Do not add other cements or additives to this product.

SC CONCRETE FINISH is a fast-setting product, so mixing equipment should be cleaned with water as soon as possible.

Do not allow repairs to freeze until the material has reached a minimum of 1000 psi compressive strength.

In adverse temperatures, follow ACI recommendations for hot/cold weather concreting practices.

Use only potable water for mixing.

Minimum surface and ambient temperature of 45°F and rising is required at the time of application.

For optimum results, condition material to between 65°F and 85°F.

Caution: Contains Portland cement and sand. Cement will cause irritation. Avoid contact. A dust respirator, safety goggles, and rubber gloves are recommended. Avoid prolonged contact with clothing. In case of contact with eyes, immediately flush with water for at least 15 minutes. Get prompt medical attention. Do not wear contact lenses when working with this product. DO NOT take internally. Keep out of reach of children.

Avoid hazards by following all precautions found in the Safety Data Sheet (SDS), product labels, and technical literature. Please read this information prior to using the product.

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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