

CONCRETE STAIN



SOLOMON COLORS



• Characteristics and Applications

1. PRODUCT NAME

Solomon Colors
Concrete Stain

2. MANUFACTURER

Corporate Headquarters

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3. PRODUCT DESCRIPTION

Basic Use: Solomon Colors Concrete Stains are penetrating acid base stains that work by chemically reacting with the cement on the surface. The Solomon Colors product is used to permanently stain new concrete that has cured a minimum of 30 days, existing concrete and other products that have not had curing compounds, sealers or other types of water repellants applied.

Composition and Materials:

Solomon Colors Concrete Stains are a formulation of water and metallic compounds that react with cementitious materials found in concrete, concrete product and resurfacing materials.

Packaging: Solomon Colors Concrete Stains are packaged in 1 gallon containers and are ready to use.

Color Range: Solomon Colors Concrete Stains are available in 8 colors and 1 clear reducer as indicated on the "Solomon Colors Concrete Stain" color chart. Colors available: Hickory, Forest Green, Sunbaked Clay, Amber, Peppercorn, Antique Copper, Aspen, and Carriibbean. Final results of stain depend on age, surface quality, color of concrete, and surface preparation. Creating an unusual one of a kind finish is what makes this product unique. Preparation of surface, surface finish and person applying stain will affect the final result.

Limitations: Because Solomon Colors Concrete stains react with the cement at the surface of the concrete, it is recommended an inconspicuous area of the project be tested for color and reactivity before starting a project. Solomon Colors Concrete Stains provide a wonderful color stain for appropriately prepared surfaces but it cannot penetrate sealers, hide flaws in concrete finishes, stain aggregate lacking cement on the surface, or penetrate a surface that has been troweled too tight. Concrete that has been sealed, hard troweled to a very dense "burned" surface, or one previously cleaned with acid likely will not accept stain without adequate preparation. Concrete that has been saturated with oil over a long period of time may not allow a chemical reaction. Lighter colored concrete, color hardeners, or resurface product will produce a lighter shade of

stain. Dark base colors will be more difficult to produce a desired color because stains are transparent. This is why testing is so important. **IMPORTANT: FOREST GREEN, ASPEN AND CARIBBEAN STAINS ARE FOR INTERIOR USE ONLY AND TO BE USED ON CONCRETE THAT IS AT LEAST 90 DAYS OLD. GREEN STAINS REACT WITH MOISTURE AND WILL TURN DARK.**

4. APPLICATION

New Concrete: For a new concrete DO NOT apply a curing compound, sealer, or water repellants of any kind. Remove excess release agent. Allow concrete to cure for a minimum of 30 days before applying stains. For interior jobs fresh concrete may need constant air movement or a dehumidifier to aid the cure process.

Surface Preparation: All curing compound, sealer, wax, oil or any other surface coating must be removed prior to stain application. Prepare concrete for the Solomon Colors Concrete Stain by using a sealer stripper, hot water pressure washing, rotary floor scrubber using Solomon Colors Concrete Cleaner, sandblasting or shot blasting the surface. Clean areas that have no sealers or contaminants with Solomon Colors Concrete Cleaner, a non-solvent degreaser or TSP and follow up with pressure washing. Test concrete by wetting with water to see if it beads up on the surface. If water does bead up, more surface preparation is needed. DO NOT pre-clean concrete with acid. Mask off vegetation and areas to protect from overspray and contamination. Premature

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rinsing or unexpected rain may cause stains to run contaminating surrounding concrete and vegetation. Test an area on the actual concrete to be stained for color and reactivity before starting a project.

Application of Stain: Solomon Colors Concrete Stain is a ready to use product when you receive it. Dilute with Solomon Colors Concrete Stain Reducer if colors are too strong. Test all areas of the concrete before starting your project. If water beads up on the concrete surface, the stain may not penetrate and more surface preparation may be needed. Once concrete is completely dry, pour Solomon Colors Concrete Stain into an all-plastic sprayer. Spray Solomon Colors Concrete Stain onto the surface by overlapping your spray pattern to keep a wet edge. Agitate into the surface as the stain is being applied with an acid resistant, nylon push broom. For small areas an acid resistant paintbrush can be used. Allow the stain to dry before applying the second coat. Allow a second coat to dry overnight before washing the surface. If the stain dries immediately, increase the coverage rate. The chemical reaction that makes the Solomon Colors Concrete Stain work is only active if the concrete is wet with stain.

Neutralizing: After Solomon Colors Concrete Stain had dried overnight, a residue will be left on the surface; this will not reflect the final color. Do not walk across the slab at this point, as it may leave footprints that will be visible after you clean the residue off. Use one of the following options to neutralize and remove any residue: scrub the surface with Solomon Colors Concrete Cleaner, scrub with a solution of 1 cup of baking soda to 5 gallons of water. Follow cleaning solutions with a clean water rinse.

Final Finish: As with any decorative concrete project, the surface

needs to be protected. Seal concrete after it is completely dry with a decorative sealer of your choice. After sealing interior floors, use a professional grade floor wax as a sacrificial sealer than can be reapplied and mechanically polished if needed. Solomon Colors Concrete Stain can be used over integral color, dry shake color hardener, colored release agent as well as clear liquid release. Always do a test panel before proceeding with your project. What makes Solomon Colors Concrete Stain unique is that they react differently to every surface, texture and color that they are applied over. Always test before using.

COVERAGE

Two coats of undiluted Solomon

5. Colors Concrete Stain is recommended covering 75 to 100 square feet total per gallon or a single coat application of 150 to 200 square feet per gallon. Surface condition, age, porosity, finish and applicator will affect the coverage rate. Older concrete or concrete with a worn surface may take additional coats. (See Limitations)

TECHNICAL SERVICES

Because of the unique nature of

6. Solomon Colors Concrete Stains, color matching is only as consistent as the concrete that is to be stained. This cannot be done at our facility. When installing new concrete always pour multiple samples to use when testing the stain. Store samples in a safe location that will duplicate the color and finish of the project. This will allow stained sample to reflect a closer representation. A sample kit containing one 4 oz. sample of each color is available. Each bottle is clearly marked with color and application instructions.

7. SAFETY

Caution: Solomon Colors Concrete Stain is an acid based product. KEEP OUT OF REACH OF CHILDREN. Always wear protective clothing such as long sleeve shirts, long pants along with rubber gloves and goggles to prevent exposure to the skin and eyes. Always wear breathing protection when using stains or any other chemicals, especially when applying with a sprayer to avoid inhalation of mist or vapors. DO NOT reuse empty container.

Ingestion: If swallowed DO NOT induce vomiting, drink water or milk. Consult a physician immediately.

Eyes: Rinse eyes with clean water and seek medical attention immediately.

Skin: Wash affected areas with soap and water. If clothes are contaminated remove and wash before wearing again.

8. LIMIT OF WARRANTY AND LIABILITY

Solomon Colors, Inc. warrants this product to be free from defects and will perform when used in accordance with manufacturers written recommendation and applications instructions. The exclusive remedy of the user or buyer and the limit of liability of the company shall be the purchase price paid by the user or buyer for the quantity of the Solomon Color product involved. Because Solomon Colors has no control over workmanship or other materials used along with our colors, we are not responsible for the final job or method used.