

SCOFIELD® Revive™ Exterior Concrete Stain

Scofield Revive Exterior Concrete Stain is a pigmented, ready-to-use solvent-based penetrating polysiloxane stain designed to add new color to uncolored concrete, or to renew color intensity and uniformity to aged, weathered, or patched, concrete surfaces.

It has a VOC less than 100 Grams Per liter (0.83 lbs/gal).



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TECH-DATA BULLETIN TD-1770.13 Rev. 01.11.2018

L. M. Scofield Company - A SIKA COMPANY

1. Product Description:

Scofield Revive Exterior Concrete Stain is a semi-opaque, pigmented, ready-to-use solvent-based penetrating polysiloxane stain designed to add new color to uncolored concrete, or to renew color intensity and uniformity to aged, weathered, or patched, concrete surfaces. It is ideal for unifying the appearance of partial slab replacements, patches, job continuations, or slabs of different composition or mix design. It has a VOC less than 100 Grams Per liter (0.83 lbs/gal)

When properly applied, Scofield Revive Exterior Concrete Stain will deeply penetrate properly prepared newly placed concrete, old concrete, concrete pavers, or unglazed ceramics. It will dry to a flat low-luster finish with excellent weather, water, slip, and ultraviolet light resistance, without significant film build or developing a paint-like appearance.

Scofield Revive Exterior Concrete Stain must be topcoated with a quality Scofield sealer such as CEMENTONE® Clear Concrete Sealer, SCOFIELD® Cureseal-W™, SCOFIELD® Selectseal Plus™, or SCOFIELD® Repello® FPS.

2. Colors:

SCOFIELD Revive Exterior Stain is available in colors to approximate all colors depicted on Scofield's Color Chart CC-1770. Contact your SCOFIELD representative for custom color availability, order minimums requirements, pricing, and lead times.

3. Artistic Effects:

Scofield Revive Exterior Stain is designed to produce opaque unified effects. Light or mist applications to achieve less than full opacity are not advised.

4. Coverage:

SCOFIELD Revive Exterior Concrete Stain should not be thinned. Coverage will vary depending on the porosity and texture of the surface. Over color-hardened or less porous concrete, an application rate of 100 – 300 square feet per gallon (2.5 – 7.4 m²/L) can be expected. Over broomed concrete, 50 – 200 square feet per gallon (1.2 – 4.9 m²/L) can be expected. Heavily broomed, weathered or sandy concrete will take more stain.

5. Limitations:

SCOFIELD Revive Exterior Concrete Stain will not hide variations in porosity or texture, surface blemishes or construction errors. It must only be applied at temperatures between 40°F (4°C) and 95°F (35°C). It will not penetrate wet surfaces or frozen substrates. Do not apply if rain or surface condensation is expected within 24 hours after installation.

Surfaces to be stained must be properly prepared for this product to work. Previously applied curing membranes, coatings, sealers, oil and food residues must first be removed, or color variations may occur. Caulks, sealants, non-porous concrete, polymeric patches, or concrete made with polymeric admixtures can restrict stain penetration and develop a different look compared to regular concrete, and may not permanently stain at all. Always evaluate suitability over these materials as described in Section 6. *Jobsite Test Sections*.

Textures and Slip Resistance: Before finalizing application technique and stain or sealer system selection, prepare *Jobsite Test Sections* as

described in Section 6 and evaluate for adequate slip resistance and SCOF (Static Coefficient of Friction). Do not create slippery areas that are dangerous. Test completed projects to ensure they are safe.

6. Jobsite Test Sections:

Prior to general application, representative Jobsite Test Section(s) must be produced and approved for each individual concrete surface, and for each color, stain, and sealer combination that will be created. Use Jobsite Test Sections to verify system suitability, surface preparation methods, adhesion, safety, performance, wet and dry slip resistance, application techniques, color, visual appearance, and product coverage. Do not proceed with products, techniques, or finishing systems that do not meet required specifications or meet with site owner approval.

Selected Jobsite Test Sections should be in close proximity to the larger job area, and made from the same concrete ingredients and mix design that will be later be placed. Test sections should be sized to be representative of the finished project, and be produced by the same workers who will place the concrete and apply the curing compound/sealer system. All test sections should be presented to owners for visual and performance approval prior beginning main project areas.

7. Packaging:

SCOFIELD Revive Exterior Stain is available in 1-gallon (3.8 L) cans, and 5-gallon (18.9 L) pails.

9. Preparation and Mixing:

Using a wooden paint stick suited for your package size, hand-stir settled pigment from the bottom of the can until all the material is off the bottom and the stain reaches a streak-free uniform color. This will take approximately 3 to 5 minutes. If using more than one container on a large job, or material from different lot numbers, mix or "box" together to minimize any possible color variation. Revive Exterior Stain is low in viscosity to maximize substrate penetration. As a result, periodically stir or shake the material to be applied every 5 minutes during application.

Warning: Do not use a power drill or other spark creating device to mix the material. This could ignite solvent vapors and cause a fire. Close container after each use.

Transfer mixed material into a roller pan or spray applicator rated for use with Acetone containing products. Remix to insure all pigment is suspended immediately before beginning application.

10. Substrate Preparation:

Before applying stain, surfaces must be made porous and be dry and clean of all prior sealers, curing compound, oils, or other foreign materials that might prevent penetration or adhesion, and meet a Concrete Surface Profile (CSP) of 1, as determined by the International Concrete Repair Institute, (ICRI), Alexandria, VA. Grind, acid etch, power wash, or scrub surfaces with stiff bristle brushes and strong detergents to remove these undesired materials and any loose concrete laitance that may harm adhesion.

Always rinse concrete surfaces and allow them to completely dry prior to application. Plan carefully and divide



work areas into sections using walls, joint lines, or other stationary features to provide natural stopping points of the application.

■ 11. Application:

All surfaces must be clean, dry, and properly prepared as described in Section 10. Avoid unsightly lap marks by applying stain to full opacity at coverage rates described in Section 4, using a brush, roller, or acetone resistant sprayer.

Stir or shake containers at least every 5 minutes during application to ensure pigments are uniformly applied to the surface. Apply only when temperatures are between 40°F (4°C) and 95°F (35°C), and avoid application to surfaces heated above 95°F (35°C) from strong direct sunlight.

The preferred method of application is to saturate the surface to be stained with a pump sprayer, and work material into the substrate with a soft bristle broom until all liquid solvent has evaporated from the surface or penetrated into the substrate. Work the broom in random directions while moving from newly deposited wet areas back into the areas previously stained. Maintain a wet edge to the project to avoid lap marks. Do not allow material to dry while puddled. If a roller is used in place of a broom, a 3/8" nap is recommended.

If color residue remains after treatment has cured for one day, gently scrub and rinse with water to avoid tracking residual color to adjacent areas.

Dry and Cure Times:

Allow four to eight hours drying time before permitting foot traffic. Drying time will depend on temperature and surface porosity. Do not pressure wash or use aggressive cleaning methods for two weeks after application.

Clean tools and equipment with acetone, taking care to following the acetone manufacturer's instructions and safety requirements.

■ 12. Cautions:

First Aid for Accidental Exposure:

Skin - Wash with soap and water to remove material. Remove contaminated clothing, wash clothing only after solvent and vapors have been allowed to dissipate.

Eyes - Flush IMMEDIATELY with water for at least 15 minutes while holding eyelids apart. Seek medical attention if irritation persists.

Ingestion - Do not induce vomiting. Immediately give conscious victim 1 to 2 glasses of water and contact medical or poison control center personnel. Immediately transport victim to an emergency facility. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus. Aspiration can cause severe lung damage.

Inhalation - Move victim to fresh air. If breathing difficulty is experienced, get medical attention immediately.

In Case of Fire: Use CO² or dry chemical extinguisher. Do not use water spray. If spilled, eliminate all sources of ignition. In case of spillage, absorb with inert material. Place absorbed material into explosion resistant container, or allow material to dry in areas where vapors cannot contact a source of ignition. Dispose of in accordance with applicable regulations. Do not reuse empty container. SCOFIELD Revive Exterior Stain is nontoxic in its cured state. Before using or handling, read the Safety Data Sheet and Warranty.

DANGER!

HIGHLY FLAMMABLE LIQUID AND VAPOR. MAY BE HARMFUL OR FATAL IF SWALLOWED OR INHALED. VAPORS MAY CAUSE FLASH FIRE IF IGNITED. KEEP OUT OF THE REACH OF CHILDREN.

May cause severe respiratory, eye, or skin irritation. Vapors may cause drowsiness or dizziness. Do not use indoors or on below grade enclosed exterior areas without cross ventilation. Do not breathe vapors or spray mist.

SCOFIELD Revive Exterior Stain contains extremely volatile solvents that evaporate to form heavier than air vapors that can travel along the ground or be moved by ventilation systems to sources of ignition such as pilot lights, flames, sparks, heaters, electric motors, vehicle exhaust, or static discharge. Remove all possible sources of ignition near and around the product handling point or application area prior to use. Do not smoke during or immediately after application. Do not allow vapors to penetrate into foodstuffs, or to collect in folds of rags or disposal containers. Allow vapors to completely dissipate from tools before storing them. Remove animals from quarters until all vapors have dissipated. See SDS for further information.

Wear protective gloves, splash goggles, and properly fitted respirator (NIOSH approved) organic vapor respirator when handling or applying this product. Follow respirator manufacturer's directions for respirator use. If you experience eye watering, headache or dizziness, stop using this product and move to fresh air immediately.

■ 13. Availability:

Revive Exterior Concrete Stain is marketed internationally through strategically located dealers, and representatives. Scofield offers a complete line of engineered systems for coloring, texturing, and improving performance of architectural concrete. These include coloring admixtures, color hardeners, colored cementitious toppings, stains, curing compounds, sealers, coatings, repair products and texturing tools. Visit the Scofield website at www.scofield.com for further information.

■ 14. Limited Warranty:

L. M. Scofield Company (Scofield) represents and warrants only that its products are of consistent quality and within manufacturing tolerances. NO OTHER ORAL OR WRITTEN REPRESENTATION OR STATEMENT OF ANY KIND, EXPRESS OR IMPLIED, NOW OR HEREAFTER MADE IS AUTHORIZED OR WARRANTED BY SCOFIELD, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Liability for breach of contract, negligence, or on any other legal basis is limited to the lesser of refund or replacement of defective materials. SCOFIELD WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING FOR DELAYS OR LOST PROFITS. Communication of this warranty and its limitations to end users is not the responsibility of Scofield, but should be communicated by those in direct contract with the end user. Any claim regarding product defect must be received in writing within one year from the date of manufacture. No claim will be considered without such written notice or after the specified time interval. The end user shall determine the suitability of the products for the intended use, and assumes all risks and liability in connection therewith.

■ 15. Maintenance and Recoating

The color and water repellency of SCOFIELD Revive Exterior Stain can be worn away over time and a maintenance retreatment may be needed periodically.



Suggested Short Form Specification for Treating or Re-Treating Concrete Flatwork

All concrete flatwork designated as being treated or re-treated in the plans and specifications shall be treated with SCOFIELD® Revive™ Exterior Stain in _____ color(s), manufactured by L. M. Scofield Company (800) 800-9900, Los Angeles, CA, (323) 720-3000, and Atlanta, GA, (770) 920-6000. SCOFIELD Revive Exterior Concrete Stain shall be applied full strength in accordance with Scofield's Tech-Data Bulletin TD-1770.



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SCOFIELD PRODUCTS ARE INTENDED FOR PROFESSIONAL USE ONLY


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■ **L. M. Scofield Company customer service: 1 800 800 9900**

Western Headquarters: 6533 Bandini Blvd., Los Angeles, CA 90040 voice: 323 720 3000 fax: 323 720 3030

Eastern Headquarters: 4155 Scofield Road, Douglasville, GA 30134 voice: 770 920 6000 fax: 770 920 6060

www.scofield.com

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