

SCOFIELD® Revive™ Colored Sealer

A solvent-borne, colored, durable sealer for improving the color uniformity of both uncolored and colored concrete surfaces. Two versions of Revive Sealer are available, $\leq 700\text{g/L}$ VOC and $\leq 350\text{g/L}$.



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TECH-DATA BULLETIN TD-1780.03 Rev. 12.9.2014

L. M. Scofield Company - A SIKA COMPANY

1. Product Description:

SCOFIELD® Revive™ Colored Sealer is a sealing compound designed for use on existing interior or exterior concrete flatwork or Scofield Texturetop where uniform color and stain resistance is required. It produces a gloss finish that is resistant to blushing and will not yellow with age or exposure to ultraviolet light. SCOFIELD Revive Colored Sealer helps protect against staining from incidental contact with materials such as automotive oil, grease, and food spills. It produces a low-maintenance film that improves resistance to abrasion, freeze-thaw cycles, deicing salts, weather, and many chemicals. It is helpful in preventing concrete dusting. Surfaces sealed and protected with SCOFIELD Revive Colored Sealer are easier to clean and maintain than unsealed concrete. It is used as a sealer on building walls, minimizing stains from airborne pollutants. SCOFIELD® Traction Additive may be used in conjunction with SCOFIELD Cureseal-S™, as a second coat to improve slip resistance. Two versions of Revive Colored Sealer are available, $\leq 700\text{g/L}$ VOC and $\leq 350\text{g/L}$. As regulations in various jurisdictions are subject to change, the user is cautioned to check with local authorities for applicable regulatory requirements in any particular area. When a VOC below 50g/L, or low odor is required, use COLORCURE® Concrete Curing Compound and Sealer.

2. Colors:

SCOFIELD Revive Colored Sealer is available in colors to approximate all colors depicted on Scofield's Color Chart CC-1780. Custom colors can be manufactured per quotation. Contact your SCOFIELD representative for minimum quantity requirements, pricing and lead times.

3. Artistic Effects:

Revive Colored Sealer will produce translucent to opaque effects depending on the coverage rate used.

4. Coverage:

Coverage will depend upon the method of application, and the porosity and texture of the substrate. Typical coverage on flat finished concrete is 300 – 500 ft^2/gal (4.5 – 1 m^2/L). Porous, or textured finishes will require more sealer.

5. Limitations:

Revive Colored Sealer must only be used on concrete that is above grade or on ground that is well-drained. Do not use on concrete slabs placed on damp ground, or on concrete that will be constantly exposed to moisture. Do not apply when air or surface temperatures are below 40°F (7°C), or may be so prior to drying. Do not apply when rain, dew, or surface condensation is expected within 4 hours of application. Do not allow material to puddle or build-up in cracks or joints during application. Tint only with Revive Colored Sealer Part A tint cups. Revive Colored Sealer is not designed for immersion service or for use on surfaces subjected to reverse hydrostatic pressure. It will not perform properly on surfaces where oil, dirt, prior coating, sealer, or other substances that impede penetration are present. It will not stick to sandy, soft, or heavily eroded surfaces. If any of these are present, Revive Colored Sealer may lose adhesion. All sealers can be scratched or damaged, do not use in areas subjected to hard wheeled traffic or heavy abrasion. Always

evaluate Revive Colored Sealer on a Jobsite Test Section as described in section 6. *Jobsite Test Sections*.

Textures and Slip Resistance: Before finalizing application technique and 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 floors that are dangerous. Test completed projects to ensure floors 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 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 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:

Revive Colored Sealer ships in 1-gallon (3.8L) cans or 5-gallon (19L) pails. The 5-gallon pail will contain 4 gallons of material labeled as Part B that is designed to be colored with Part A, a one gallon can tint modifier. Revive Colored Sealer in one gallon cans ships as a one gallon base unit labeled, Cureseal-S Gloss, or Cureseal VOC Gloss. It is designed to be mixed in a solvent resistant pail with Part A, a one quart can tint modifier.

8. Storage and Shelf Life:

Unopened and stored at 40°F to 120°F, Revive Colored Sealer has a 2 year shelf life from date of manufacture. Once opened or mixed with a Part A tint modifier, the shelf life is one month.

9. Preparation and Mixing:

SCOFIELD Revive Colored Sealer is supplied as a two-component kit consisting of a coloring agent (Part A tint modifier) and a base material (Part B base, Cureseal S Gloss or Cureseal VOC Gloss), packaged in separate containers. In most cases, the entire contents of the Part A tint modifier is added to the Part B base material; where a more translucent color is desired, a fraction of the Part A tint modifier may be used. Careful measuring is essential when using fractional amounts of the Part A tint modifier. Thoroughly mix Part A before adding to Part B. Empty the contents of the Part A container into Part B. Using a paint stick suited for a 5-gallon pail, hand-stir the material until a streak-free color is reached. This will take approximately 3 minutes. Warning: Do not use a power drill or other spark creating device to mix the material. After combining the components, material from different lot numbers should be mixed together (boxed) to minimize the possibility of color variation.



10. Substrate Preparation:

Surfaces must 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 fixed features to provide natural stopping points of the application.

11. Application:

Two coats of SCOFIELD Revive Colored Sealer will seal most surfaces. When a matte finish is desired, an initial coat of SCOFIELD Revive Colored Sealer must be applied, followed by a topcoat of SCOFIELD Cureseal-S Matte. The topcoat can be applied as soon as the initial coat of SCOFIELD Revive Colored Sealer has dried, normally 4 hours depending on temperature and humidity.

All open flames, pilot lights, sparking equipment, or other sources of ignition must be extinguished or removed.

Apply Revive Colored Sealer by brush, roller, or solvent resistant pump-spray application, in most circumstances, a ¼ inch nap roller will produce the best results. Always maintain a "wet edge" to avoid lap marks. Always wear protective clothing, goggles, gloves, and an organic vapor respirator. Applied at temperatures between 40 and 90° F (4 – 32° C). Application should not be made during rainy, foggy, or very humid weather when water condensation forms on the surface. SCOFIELD Revive Colored Sealer must be allowed to dry completely, normally 8 – 24 hours, before it is subjected to temperatures below 40° F (4° C) or to water from any source. After the sealer is applied, avoid foot traffic for a minimum of 24 hours. Longer dry times will be necessary if temperatures are low.

Clean tools with aromatic solvent following the solvent manufacturer's instructions and safety requirements.

12. Cautions:

WARNING!

DANGER! COMBUSTIBLE LIQUID AND VAPOR. CONTAINS PETROLEUM DISTILLATES. VAPOR HARMFUL. MAY AFFECT THE BRAIN OR CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE, OR NAUSEA. CAUSES EYE, SKIN, NOSE, AND THROAT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF SWALLOWED. DO NOT TAKE INTERNALLY. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. See MSDS for further information. Keep away from heat, sparks, and flame. Vapors may cause flash fire. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent buildup of vapors by opening all windows and doors to achieve cross-ventilation. Use only with adequate ventilation. Do not breathe vapors or spray mists. Ensure fresh air entry during application and drying. Wear an appropriate, properly fitted organic vapor respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. KEEP OUT OF THE REACH OF CHILDREN.

First Aid: Eyes — In case of eye contact, flush immediately with large amounts of water for at least 15 minutes and get medical attention immediately. Ingestion — If swallowed, do not induce vomiting. Give conscious victim 1 to 2 glasses of water and get medical attention immediately. Skin — Wash thoroughly with soap and water. Inhalation — If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If symptoms persist or develop, get medical attention.

In Case of Fire: Use CO² or dry chemical extinguisher. Do not use water spray.

Keep container closed when not in use. If spilled, eliminate all sources of ignition. Contain spilled material and remove with inert absorbent using non-sparking tools. Dispose of contaminated absorbent, container, and unused contents in accordance with all applicable regulations. Do not reuse empty container. Before using or handling, read the Material Safety Data Sheet and Warranty.

13. Availability:

Revive Colored Sealer 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

Interior concrete floor surfaces sealed with SCOFIELD Revive Colored Sealer should be maintained by using a compatible, slip-resistant, emulsion-type, commercial floor finish following the manufacturer's instructions and safety requirements. A maintenance application of SCOFIELD Revive Colored Sealer should be made periodically as the sealer is worn off the surface.



Suggested Short Form Specification for Curing and Sealing Concrete Flatwork:

All concrete flatwork designated as being cured and sealed in the plans and specifications shall be sealed with SCOFIELD® Revive™ Colored Sealer (*optional:* and top-coated with SCOFIELD® Cureseal-S™) manufactured by L. M. Scofield Company, (800) 800-9900, Los Angeles, CA, (323) 720-3000, and Atlanta, GA, (770) 920-6000.



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SCOFIELD PRODUCTS ARE INTENDED FOR PROFESSIONAL USE ONLY

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