

SCOFIELD® Selectseal Plus™ Clear Concrete Sealer

A high-solids, low-odor, self-crosslinking, urethane fortified acrylic concrete sealer designed to protect interior or exterior uncolored or previously stained concrete surfaces.
The VOC is <100 g/L (0.82 lbs/gal)



BUILDING TRUST



TECH-DATA BULLETIN TD-1645.04 Rev. 4.6.2018

L. M. Scofield Company - A SIKA COMPANY

1. Product Description:

SCOFIELD Selectseal Plus Clear Concrete Sealer is a high-solids, low-odor, self-crosslinking, urethane fortified acrylic concrete sealer designed to protect interior or exterior colored or uncolored concrete, LITHOCHROME® Tintura™ Stain, LITHOCHROME® Chemstain® Classic, LITHOCHROME® Color Hardener, SCOFIELD® Texturetop®, SCOFIELD® Revive™ Exterior Concrete Stain, or SCOFIELD® Formula One™ Liquid Dye Concentrate.

SCOFIELD Selectseal Plus meets the moisture retention requirements of ASTM C309 Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete.

SCOFIELD Selectseal Plus utilizes unique proprietary waterborne technology that provides superior wet slip resistance while forming a tough stain and abrasion-resistant gloss finish that is superior to most solvent-based sealers. It can be tinted to deliver a multitude of translucent colored effects. It may be used to create floors compliant to various ANSI, ASTM, NFSI, and UL traction standards. It is an ideal topcoat for LITHOCHROME Tintura Stain.

SCOFIELD Selectseal Plus can be applied by traditional, foam, or microfiber, applicators, as well as by conventional, air-assisted, airless, or HVLP spray equipment. It can be applied over a wide range of temperature and humidity conditions without cracking, crazing, frosting, or gumming.



UL 410 Standard for Slip Resistance of Floor Surface Materials.

2. Colors:

SCOFIELD Selectseal Plus is clear gloss coating. It can be tinted with up to 4 oz. per gallon of approved colorant or Scofield tint cup to make a multitude of colors at various levels of opacity.

3. Artistic Effects:

SCOFIELD Selectseal Plus is a clear gloss coating.

4. Coverage:

Coverage will depend upon thinning, method of application, surface porosity, and the texture of the substrate. Full strength prime-coat coverage on flat finished concrete is typically 300 – 400 ft²/gal (7.4–9.8 m²/L), and will yield a dry film thickness of 1.3 – 1.1 mils. Thinned with 1 pint of water per gallon, prime-coat coverage is typically 450 ft²/gal, and will yield a dry film thickness of 0.85 mils. Porous, broom or textured finishes will require more sealer. As a topcoat or for second coat application, coverage of 600–800 ft²/gal (14.8–19.6 m²/L) is typical.

5. Limitations:

SCOFIELD Selectseal Plus 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 45°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.

SCOFIELD Selectseal Plus 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, SCOFIELD Selectseal Plus may lose adhesion. It is not designed to be a crack filler or thick film coating, and will not hide surface blemishes, construction errors, or imperfections. Always evaluate SCOFIELD Selectseal Plus on a Jobsite Test Section as described in section 6. Jobsite Test Sections.

SCOFIELD Selectseal Plus may initially turn white, and then dry clear and hard when used on surfaces that have been acid stained or etched and not rinsed well. This whitening may be avoided by rinsing etched surfaces well, and by thinning the prime coat with 1 pint of water per gallon as prescribe in Section 4 Coverage.

Textures and Slip Resistance: Although SCOFIELD Selectseal Plus can develop coefficient of friction values exceeding 0.90, always prove surface texture, sealer selection, and sealer application technique as described in Section 6. Jobsite Test Sections, and evaluate the result for adequate wet and dry slip resistance and SCOF (Static Coefficient of Friction). 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:

SCOFIELD Selectseal Plus ships in 1-gallon (3.8L) cans or 5-gallon (19L) pails.

8. Storage and Shelf Life:

DO NOT FREEZE! Unopened and stored at 40°F to 120°F, Selectseal Plus has a 2 year shelf life from date of manufacture. Once opened, the shelf life is one month.

9. Preparation and Mixing:

SCOFIELD Selectseal Plus is iridescent white and will look like a smooth heavy cream. Mix until it is of uniform consistency and appearance prior to use. If tinting, add tint material and mix again until uniform. To increase penetration into acid stained or sandblasted concrete, SCOFIELD Selectseal Plus may be thinned with up to 1 pint of water per



gallon of material.

■ 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, 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.

When used to topcoat stains and other decorative products, be sure they are fully cured, or cured so they will not be dissolved by the SCOFIELD Selectseal Plus. Always evaluate systems as described in section 6. Jobsite Test Sections.

■ 11. Application:

Apply SCOFIELD Selectseal Plus by brush, roller, HVLP, airless, or pump-spray/back-roll application. Always wear protective clothing, goggles, gloves, and particulate respirators. Clean equipment with warm water and detergent immediately after application. Remove overspray immediately with hot water and industrial detergent. Dried material will be difficult to remove. If used as a concrete curing compound, a second coat of SCOFIELD Selectseal Plus should be applied after 28 days to maximize stain resistant properties.

Spray applicator Guidelines:

Airless spray: 1500–2500 psi (10–17 MPa) fitted with a fan tip of 0.013–0.015 inches (0.33–0.38 mm).

HVLP spray: 5–40 psi (35–275 KPa) 1.3–1.5mm tip

Dry times will depend upon coverage rate, penetration into the substrate, and weather conditions. At 70°F and 50% relative humidity with an application rate of 400 ft²/gal (10 m²/L), dry to touch and recoat times of 1-2 hours are expected. Avoid foot-traffic for a minimum of 12 hours, and hard wheel traffic for 72 hours after final application.

■ 12. Cautions:

WARNING! MAY IRRITATE EYES, SKIN, AND RESPIRATORY TRACT. DO NOT TAKE INTERNALLY. DO NOT BREATHE IN SPRAY MIST. KEEP OUT OF THE REACH OF CHILDREN.

First Aid: Eyes—DO NOT RUB EYES. FLUSH IMMEDIATELY WITH WATER. Hold eyelids apart while flushing material out thoroughly with large amounts of water. **Skin**—Wash thoroughly with soap and water. Remove soiled clothing and footwear and wash before reuse. **Inhalation**—Move to fresh air. If symptoms develop or if ingested, get medical attention. Wash thoroughly immediately after handling. Close container after each use. In case of spillage, absorb with inert material

and dispose of in accordance with applicable regulations. Do not reuse empty container. Before using or handling, read the Safety Data Sheet and Warranty.

SCOFIELD Selectseal Plus must never be mixed with LITHOCHROME Chemstain Classic or any other chemical stain. Doing so may produce a dangerous chemical reaction and vapors.

■ 13. Availability:

SCOFIELD Selectseal Plus 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, EXPRESSED 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:

On walkways, a maintenance application of either SCOFIELD Selectseal Plus or floor wax should be made periodically to replace topcoat that is worn from the surface. All maintenance methods should be tested.

Suggested Short Form Specification for Curing and Sealing Concrete Flatwork:

All concrete flatwork designated in the plans and specifications shall receive a cure and seal coat of 30% solids SCOFIELD Selectseal Plus, manufactured by L. M. Scofield Company, (800) 800-9900, Los Angeles, CA, (323) 720-3000 and Atlanta, GA, (770) 920-6000. SCOFIELD Selectseal Plus Concrete Sealer shall be applied full strength in accordance with Tech-Data Bulletin.



BUILDING TRUST



L. M. Scofield Company - A SIKA COMPANY

SCOFIELD PRODUCTS ARE INTENDED FOR PROFESSIONAL USE ONLY

■ 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