



SCOFIELD® Repello® Water & Stain Repellant

A proprietary blend of non-yellowing siliconized and fluorinated acrylic polymers designed to protect interior or exterior bare or previously stained concrete surfaces from water, oils, sugars, and common food stains. It is low odor and is barely visible when dry. The VOC is <100 g/L (0.82 lbs/gal)


TECH-DATA BULLETIN TD-3630.08 Rev. 3.21.2016

1. Product Description:

SCOFIELD® Repello® is a proprietary blend of non-yellowing siliconized and fluorinated acrylic polymers designed to protect interior or exterior bare or previously stained concrete surfaces from water, oils, sugars, and common food stains. It is low odor, is barely visible when dry, and is designed to form a thin non-appreciable stain resistant film. Use Repello to protect kitchen floors, patios, food courts, picnic areas, walkways, or any areas exposed to common soils and staining.

Repello can impart water and stain repellency to surfaces treated with LITHOCHROME® Chemstain® Classic, LITHOCHROME® Color Hardener, or SCOFIELD® Revive™ Exterior Concrete Stain.

It may be used to create floors compliant to various ANSI, ASTM, NFSI, and UL traction standards.

 UL 410 Standard for Slip Resistance of Floor Surface Materials.

Always evaluate SCOFIELD Repello as described in section 6. *Jobsite Test Sections*.

2. Colors:

SCOFIELD Repello is clear and colorless.

3. Artistic Effects:

Because it binds tightly to concrete surfaces, slight surface darkening or color enrichment should be expected.

4. Coverage:

Coverage will depend upon, method of application, surface porosity, and the texture of the substrate. Coverage on flat finished concrete is typically 300 – 400 ft²/gal (7.4–9.8 m²/L). Porous, broom or textured finishes will require more material. As a stain resistant finish coat over newly stained or partially stained surfaces, coverage of 600-800 ft²/gal (14.8–19.6 m²/L) is typical.

5. Limitations:

SCOFIELD Repello is not a waterproofing paint or full bodied sealer. Multiple coats or over-application will produce irregular gloss levels. Do not allow material to puddle or build-up in cracks or joints during application. 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.

SCOFIELD Repello is not designed for immersion service or for use on surfaces subjected to reverse hydrostatic pressure. Only use Repello on concrete that is above grade or on ground that is well-drained and is not constantly exposed to moisture.

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, it 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.

Repello may initially turn white, and then dry clear when used on surfaces acid stained or acid etched. Avoid this by neutralizing and rinsing chemically etched surfaces well prior to application.

Textures and Slip Resistance for Concrete Flatwork:

Although SCOFIELD Repello can develop coefficient of friction values exceeding 0.80; always prove surface texture, repellent selection, and 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 Repello 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 Repello 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, SCOFIELD Repello has an 18 month shelf life from date of manufacture. Once opened, the shelf life is one month. 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 *Material Safety Data Sheet and Warranty*.

9. Preparation and Mixing

SCOFIELD Repello is iridescent white when wet, and will look like cream. Mix until it is of uniform appearance prior to use.

10. Substrate Penetration:

Concrete or cementitious materials must be fully cured, at least 28 days, prior to application. When used as a stain resistant finish-coat over SCOFIELD Revive Exterior Concrete Stain, the stain must have cured for at least 5 days prior to application.

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 so they will not be dissolved by the SCOFIELD Repello. Always evaluate systems as described in section 6. *Jobsite Test Sections*.

■ 11. Application:

Apply SCOFIELD Repello 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 detergent.

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 Repello 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 Repello 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:

A maintenance application of SCOFIELD Repello should be made periodically to replace finish that is removed as underlying surfaces are worn away. All maintenance methods should be tested.

Suggested Short Form Specification for Treating Concrete Flatwork:

All concrete flatwork designated as being treated in the plans and specifications shall receive one treatment of SCOFIELD® Repello® manufactured by L. M. Scofield Company, (800) 800-9900, Los Angeles, CA, (323) 720-3000, and Atlanta, GA, (770) 920-6000. SCOFIELD® Repello® shall be applied full strength in accordance with Scofield's Tech-Data Bulletin TD-3630.



1 800 800 9900 or www.scofield.com

SCOFIELD PRODUCTS ARE INTENDED FOR PROFESSIONAL USE ONLY

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

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

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