

PRODUCT DATA SHEET

SCOFIELD® Repello®

A low visibility film-forming surface treatment that provides extreme water and stain repellency to interior or exterior concrete surfaces.

PRODUCT DESCRIPTION

SCOFIELD® Repello® is a low visibility film-forming surface treatment that provides extreme water and stain repellency to interior or exterior concrete surfaces. Made from a proprietary blend of non-yellowing siliconized and fluorinated acrylic polymers, it is designed to protect interior or exterior bare or previously stained concrete surfaces from water, oils, sugars, and common food stains. It is low odor, barely visible when dry, and is designed to form a thin non-appreciable stain resistant film.

USES

Use to create surfaces that are water and stain resistant and compliant to various ANSI, ASTM, NFSI, and UL traction standards.

- Ideal for food courts, pools, and entrance walkways where maximum stain resistance is required.
- Seals in color of antiquing stamp releases and stains.
- Prevents dusting of new or aging concrete.

CHARACTERISTICS / ADVANTAGES

- Low odor water based formulation.
- Blocks food stains from penetrating into surfaces.
- Enhances concrete and chemical stain colors.
- Self-Crosslinking resin system delivers superior stain, and chemical resistance.
- Exterior durable and UV light stable.
- Apply by brush, roller, or spray.
- Will not gum or spider-web in hot conditions.

APPROVALS / STANDARDS

SCOFIELD® Repello® can be used to make floors that exceed the Underwriters Laboratories Safety Standard UL 410, "Slip Resistance of Floor Surface Materials."



PRODUCT INFORMATION

Chemical Base	Silicone fortified self-crosslinking fluorinated acrylic copolymer, 15% solids
Packaging	1-gallon (3.8L) cans or 5-gallon (19L) pails.
Appearance / Color	SCOFIELD® Repello® is a clear semi-gloss surface treatment that will increase in gloss if subsequent coats are applied.

Shelf Life

18 months from date of manufacture.

Storage Conditions

Store at 40°F to 120°F (4°C - 49°C). DO NOT FREEZE!



APPLICATION INSTRUCTIONS

If using spray equipment, always wear protective respirator, and mask adjacent areas to protect property from overspray. Dried material will be difficult to remove. Remove overspray immediately with soap and water.

Coverage Rates

Coverage will vary depending on the porosity and texture of the surface, surface preparation, and application technique. Typical coverage rate is 300–400 ft² per gallon (7.4–9.8 m²/L) and will yield a dry film thickness of 0.6 - 0.5 mils. Porous, broom or textured finishes will require more product. Second coat application, coverage of 600-800 ft²/gal (14.8–19.6 m²/L) is typical.

Equipment

Apply SCOFIELD® Repello® by brush, roller, HVLP, airless, or pump-spray application. Always wear protective clothing and equipment proper for the method of application. If using a roller, use a quality 3/8" knap with tapered edges.

Spray applicator Guidelines:

Pump Garden Sprayer: Use conical tip.

Airless spray: 1500–2500 psi (10–17 MPa) fitted with a fan tip of 0.013–0.015 inches (0.33–0.46 mm).

HVLP spray: 5–40 psi (35–275 kPa)

SURFACE PREPARATION

When used as a stain resistant Surface Treatment, Dust Proofer, or Floor Wax Basecoat

Use on cured concrete at least 28 days old. 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 older concrete surfaces and allow them to completely dry prior to application.

If used over solvent based stain, stain should be allowed to cure a minimum of 12 hours to allow solvents to evaporate.

If used over chemical stain, or surfaces acid etched, the surface must be neutralized and rinsed thoroughly prior to application. Failure to do so can cause product temporarily blush white before drying clear.

Mixing

SCOFIELD® Repello® is milk white and will look like a heavy cream. Mix until it is uniform consistency and

appearance prior to use.

Jobsite Test Sections

Verify and approve suitability and appearance by making jobsite test sections prior to general application. Each individual concrete color, finishing technique, and sealer combination should be verified. Test sections must be of adequate size to be representative and be produced by the same workers who will apply product to the larger job. Test completed systems for wet and dry slip resistance to ensure they are safe. Do not proceed with products, techniques, or finishing systems that do not meet required safety specifications or site owner approval.

Application

Mask all areas not to be coated to safeguard against splashes, overspray, and runoff from application. Wear all required safety equipment. Take care not to allow tape adhesive to interfere with surfaces to be coated. Product may appear lighter in color until dry.

Distribute product with a pump garden sprayer fitted with a conical tip, followed by back rolling with a quality 3/8" knap roller. Roll in multiple directions to ensure product penetrates into concrete cracks, joints, and pores. Take care not to create lap marks as they cannot be removed once the product has dried.

Dry times will depend upon the selected coverage rate, penetration into the substrate, and weather conditions. At 70°F (21°C) and 50 % relative humidity with an application rate of 400 sq. ft. per gallon (9.8 m²/L), dry to touch and recoat times of 1–2 hours are expected. Avoid foot-traffic for a minimum of 12 hours after final application.

Cleaning of Equipment

Clean equipment with warm water and detergent immediately after application.

AVAILABILITY/WARRANTY

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.

LIMITATIONS

SCOFIELD® Repello® is not a 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, or dew 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.

SCOFIELD® 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 Jobsite Test Sections, and evaluate the result for adequate wet and dry slip resistance and SCOF (Static Coefficient of Friction).

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

VOC = 100 g/l

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Product Data Sheet
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LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

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