

PRODUCT DATA SHEET

SCOFIELD® Cureseal-W

A COLORLESS CLEAR CONCRETE CURING COMPOUND AND ABRASION RESISTANT SEALER FOR USE ON AGED OR FRESHLY PLACED INTERIOR OR EXTERIOR CONCRETE SURFACES.

PRODUCT DESCRIPTION

SCOFIELD® Cureseal-W is a concrete curing compound and sealer that reduces moisture loss and seals surfaces with an abrasion and stain resistant coating. Used during concrete placement, it reduces surface cracks and color variations caused by uneven drying and efflorescence that commonly occurs in warm, windy, or dry environments. Use on existing concrete to add an abrasion and stain resistant barrier that effectively seals, dust-proofs, and prevents staining from common foods and chemicals.

When concrete is freshly placed, shaded areas or areas in the center of large slabs surface dry slower than those exposed to sunlight or closer to form edges. This uneven drying, along with common efflorescence, often causes color variations that are obvious. These differences are long lasting, and raise questions about the quality of the concrete placement. SCOFIELD® Cureseal-W works to eliminate these problems and enables contractors to immediately deliver jobs that are uniform in color and appearance.

USES

- As a concrete curing compound to reduce spider cracking and efflorescence.
- Ideal for food courts, pools, entry and walkways.
- Abrasion resistant topcoat over stains, and dyes.
- Seals in color of antiquing stamp releases and stains.
- Prevents dusting of new or aging concrete.

CHARACTERISTICS / ADVANTAGES

- Low odor water based formulation.
- Self-Crosslinking resin system delivers superior stain, abrasion, 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

Meets ASTM C 309 requirements for Liquid Membrane-Forming Compounds for Curing Concrete.

SCOFIELD® Cureseal-W 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	Self-crosslinking acrylic copolymer, 25% solids
Packaging	1-gallon (3.8L) cans or 5-gallon (19L) pails.
Appearance / Color	SCOFIELD® Cureseal-W is a clear semi-gloss coating that will increase in gloss as subsequent coats are applied.
Shelf Life	2 years shelf life from date of manufacture.

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 200–400 ft² per gallon (4.5–9.8 m²/L) and will yield a dry film thickness of 1.90 - 0.95 Second coat application, coverage of 600-800 ft²/gal (14.8–19.6 m²/L) is typical.

Equipment

Apply SCOFIELD® Cureseal-W 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 0.013–0.018 inches (0.33–0.46 mm).

HVLP spray: 5–40 psi (35–275 kPa)

SURFACE PREPARATION

When used as a Curing Compound

Apply SCOFIELD® Cureseal-W when concrete is walkable and all bleed water has either reabsorbed into the concrete or evaporated.

When used as a Sealer or Dust Proofer

When used on fully cured concrete, 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® Cureseal-W 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 (10 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

Availability

SCOFIELD® Cureseal-W 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® Cureseal-W is not designed for immersion service, or for use on surfaces subjected to reverse hydrostatic pressure. Use only 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 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.**

If used over Chemical Stains or Acid Etched Concrete

SCOFIELD® Cureseal-W 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.

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.

LOCAL 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 = 96 g/l

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