

PRODUCT DATA SHEET

SCOFIELD® Cureseal-VOC Matte and Gloss

A 350 VOC compliant solvent-borne, clear curing compound and abrasion resistant sealer for freshly placed interior or exterior concrete surfaces.

PRODUCT DESCRIPTION

SCOFIELD® Cureseal-VOC Matte and Gloss are solvent based liquid membrane-forming curing compounds that reduce moisture loss and seal surfaces with an abrasion and stain resistant coating. Used during concrete placement, they reduce 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, dustproofs, and prevents staining from common foods and chemicals.

Both gloss and matte versions are suitable for interior or exterior service. If used on porous surfaces, a prime-coat of the gloss version beneath the matte product is required.

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-VOC Matte and Gloss works to eliminate these problems and enables contractors to immediately deliver jobs that are uniform in color and appearance.

PRODUCT INFORMATION

Chemical Base	100% Acrylic polymer blend in a fast drying aromatic solvent, 25% solids.
Packaging	SCOFIELD® Cureseal-VOC Matte and Gloss is available from stock in 1-gallon (3.8 L) and 5-gallon (18.9 L) pails and by special order in 55-gallon (208 L)

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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

- Available in gloss or matte finishes.
- Non-yellowing resin system delivers superior stain, abrasion, and chemical resistance.
- Exterior durable and UV light stable.
- Apply by brush, roller, or spray.
- Easily accepts traction additives.

APPROVALS / STANDARDS

Complies with ASTM C 1315, Type 1, Class A, B, and C; AASHTO Des. M-148-82; Federal Specification TT-C-0800; ASTM C 309; and DE CRD-C-300.

drums.

Shelf Life

2 years from the date of manufacture.

Storage Conditions

Store in the tightly closed original containers below 140°F (60°C).

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 aromatic solvent followed by soap and water. Do not thin with non-exempt solvents.

Warning: Any electrical equipment used with SCOFIELD Cureseal-S must be explosion proof or otherwise designed specifically for use with solvent-based products. Remove all open flames, pilot lights, sparking equipment, or other sources of ignition from the area prior to opening or mixing. Only use in well ventilated areas.

Coverage Rates

Coverage will vary depending on the porosity and texture of the surface, surface preparation, and application technique. Typical coverage rate is 300–500 ft² per gallon (7.3 - 12.3 m²/l).

Equipment

Apply SCOFIELD® Cureseal-VOC Matte and Gloss by brush, roller, HVLP, airless, or pump-spray application followed by back rolling to spread material. All equipment must be acetone solvent resistant. 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)

APPLICATION

When used as a Curing Compound

Apply SCOFIELD® Cureseal-VOC Matte and Gloss 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.

Mixing

Settling of the Matte version is normal. 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

Apply when concrete and air temperatures are between 40°F and 80°F (4.4° - 26.7°C), rising, and will not fall below 40°F (4.4°C) for the next 6 hours.

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.

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 8-12 hours after final application.

Cleaning of Equipment

Clean equipment with aromatic solvent following the solvent manufacturer's safety instructions.

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AVAILABILITY/WARRANTY

Availability

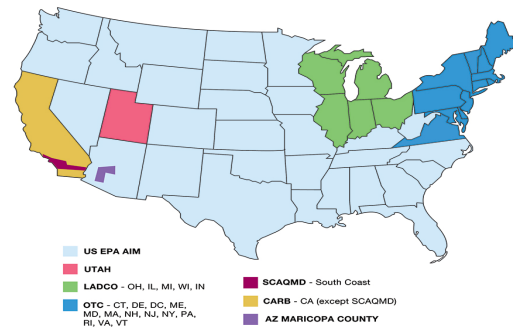
SCOFIELD® Cureseal-VOC Matte and Gloss is marketed nationwide and internationally, directly to the user and through strategically located warehouses, dealers, and representatives. Contact Scofield for its nearest representative. Scofield offers a complete line of engineered systems for coloring, texturing, and improving performance in architectural concrete. Scofield Systems address specialized requirements for interior, exterior and vertical uses with compatible systems of complementary products including 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-VOC Matte and Gloss 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.

SCOFIELD® Cureseal-VOC Matte and Gloss is not intended for sale or use in jurisdictions where Tertiary Butyl Acetate is not an exempt solvent. As of the date of this bulletin, areas where the sale and use of SCOFIELD® Cureseal-VOC Matte and Gloss is not permitted include CARB and SCAQMD (California), as noted in the map below. 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.

United States Air Quality Jurisdictions



SCOFIELD® Cureseal-VOC Matte and Gloss will not freeze. After exposure to freezing temperatures, it must be allowed to warm up to approximately 40°F (4°C) before use.

When curing freshly placed concrete and a matte finish is desired, a cure coat of SCOFIELD Cureseal-VOC Gloss is applied and allowed to cure for 30 days before applying SCOFIELD Cureseal-VOC Matte.

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 =327 g/l

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED

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

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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