



PRODUCT DATA SHEET

COLORCURE® Concrete Curing Compound and Sealer

A colored concrete curing compound that reduces moisture loss and seals surfaces with a stain resistant coating.

PRODUCT DESCRIPTION

COLORCURE® Concrete Curing Compound and Sealer is a colored concrete curing compound that reduces moisture loss and seals surfaces with a 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. It is suitable for use over existing concrete to improve the visual blending of job continuations and patchwork.

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. When COLORCURE® Concrete Curing Compound and Sealer is tinted to match the final color of the cured concrete, it works to eliminate these problems and enables contractors to immediately deliver jobs that are uniform in color and appearance.

USES

- Reduces spider cracking in hot or dry environments.
- Reduces visual color variations from efflorescence and uneven curing.
- Provide consistent appearance to multi-load placements, job continuations, and patches.
- Add stain resistance to fresh or existing colored concrete or overlay placements.
- Ideal for food courts, entry and walkways.

CHARACTERISTICS / ADVANTAGES

- Low odor water based formulation.
- Self-Crosslinking resin system delivers superior stain and chemical resistance.
- Exterior durable and UV light stable.
- Color matched to any Scofield color.
- Apply by brush, roller, or spray.

APPROVALS / STANDARDS

COLORCURE®
Concrete
Curing
Compound
and Sealer
can be used
to make floors
that exceed
the
Underwriters
Laboratories
Safety
Standard UL
410, "Slip
Resistance of
Floor Surface
Materials."



Can be used
as described
in ASTM C 309
Liquid
Membrane-
Forming
Compounds
for Curing
Concrete.

PRODUCT INFORMATION

Chemical Base	Self-crosslinking acrylic copolymer
Packaging	1-gallon (3.8L) cans or 5-gallon (19L) pails labeled as Part B designed to be colored with 4 oz. or 12 oz. Part A tint cups. Colors that require less tint are packaged partially full.
Appearance / Color	Available in all colors of CHROMIX® Admixtures for Color-Conditioned® Concrete shown on Color Chart A-312. Custom colors available upon request. Contact Scofield for pricing and order minimums.
Shelf Life	1 year from date of manufacture. Tint cups are 2 years from date of manufacture. Once opened or mixed with tint, the shelf life is 1 month.
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 100–400 ft² per gallon (2.25–10 m²/L).

Equipment

Apply COLORCURE® Concrete Curing Compound and Sealer 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 Colored Curing Compound

Apply COLORCURE® Concrete Curing Compound and Sealer when concrete is walkable and all bleed water has either reabsorbed into the concrete or evaporated.

When used as a Colored 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.

Mixing

Prior to combining Part A with Part B, mix each separately until it is uniform. COLORCURE® Concrete Curing Compound and Sealer Part B is milk white and will look like a heavy cream prior to tinting. Combine Part A and Part B and mix until it is again uniform consistency and appearance. The material is now ready for use. Some heavier tints will produce more material than the gallon container of Part B will hold. In these cases, mix products together in a clean plastic pail.

APPLICATION

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 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

COLORCURE® Concrete Curing Compound and Sealer 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

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COLORCURE® Concrete Curing Compound and Sealer 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.** Tint only with COLORCURE® Concrete Curing Compound and Sealer Part A tint cups. The use of COLORCURE® Concrete Curing Compound and Sealer that is tinted to a color other than a match to the dry and fully cured concrete to which it is applied is not recommended.

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 = 49g/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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