

PRODUCT DATA SHEET

LITHOCHROME® Colorwax™ Concrete Curing Compound

A colored concrete curing compound that reduces moisture loss and improves visual uniformity of freshly placed colored concrete

PRODUCT DESCRIPTION

LITHOCHROME® Colorwax™ Concrete Curing Compound is a colored concrete curing compound that reduces moisture loss from freshly placed concrete. Use during concrete placement, to reduce surface cracks and color variations caused by uneven drying and efflorescence that commonly occurs in warm, windy, or dry environments. It is not a paint or concrete sealer, and will gracefully wear, weather, and dissipate over several months without the appearance of peeling or chipped paint.

As freshly placed concrete cures, its color will vary with differences in surface moisture. Concrete in shaded areas or in the center of large slabs will surface dry slower than those exposed to sunlight or closer to form edges. If salt content of aggregates are high, efflorescence can bloom to the surface and lighten colors. These visual differences can be long lasting, and raise questions about the quality of the concrete placement. LITHOCHROME® Colorwax™ Concrete Curing Compound enables contractors to immediately deliver jobs that are uniform in color and appearance.

USES

- Reduces spider cracking in hot or dry environments.
- Reduces color variations from multi-load placements, uneven curing, and efflorescence.
- Helps keep placements cooler in direct sunlight.
- A temporary curing compound removed before grind & polish activities or floor coating installation.

CHARACTERISTICS / ADVANTAGES

- Low odor water based formulation.
- Does not peel or chip.
- Color matched to any Scofield color.
- Apply by brush, roller, or spray.
- Removed by rotary scrubbers and power washers.
- Does not gum grinding or abrasive polishing disks.

APPROVALS / STANDARDS

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October 2018, Version 01.02
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LITHOCHROME®
Colorwax™
Concrete Curing
Compound can
be used to make
floors that
exceed the
Underwriters
Laboratories
Safety Standard
UL 410, "Slip
Resistance of
Floor Surface
Materials."

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

PRODUCT INFORMATION

Chemical Base	Polyethylene /Acrylic copolymer emulsion
Packaging	1-gallon (3.8L) cans or 5-gallon (19L) pails labeled as Part B designed to be colored with 4 oz. or 6 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	2 years from date of manufacture. Once opened or mixed with a Part A tint cup, the shelf life is one 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. Remove overspray immediately with soap and water.

Coverage Rates

Coverage will vary depending on the porosity and

texture of the surface, and application technique. Typical coverage rate is 100–400 ft² per gallon (2.25–10 m²/L). Porous, broom or textured finishes will require more product. DO NOT THIN OR REDUCE!

Equipment

Apply LITHOCHROME® Colorwax™ Concrete Curing Compound 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)

When to apply a Colored Concrete Curing Compound

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

Mixing

Prior to combining Part A with Part B, mix each separately until it is uniform. LITHOCHROME® Colorwax™ Concrete Curing Compound 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

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.

LITHOCHROME® Colorwax™ Concrete Curing Compound is designed to match the final concrete color, it may first appear lighter than the freshly placed wet concrete.

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

LITHOCHROME® Colorwax™ Concrete Curing Compound 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.

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LIMITATIONS

LITHOCHROME® Colorwax™ Concrete Curing Compound 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 LITHOCHROME® Colorwax™ Concrete Curing Compound Part A tint cups.

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 = 48 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.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.**

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