



# SCOFIELD® Cureseal-W™ Concrete Curing Compound and Sealer

*Cureseal-W Concrete Curing Compound and Sealer is a clear interior/exterior quality concrete curing and sealing compound designed for use on existing or freshly placed concrete where uniform color and stain resistance is required immediately after placement. It meets ASTM C 309 requirements for Liquid Membrane-Forming Compounds.*

**The VOC is <100 g/L (0.82 lbs./gal.)**

**TECH-DATA BULLETIN TD-1623.09 Rev. 12.19.2014**

## 1. Product Description:

SCOFIELD® Cureseal-W™ Concrete Curing Compound and Sealer is a clear concrete curing and sealing compound designed for use on existing or freshly placed concrete where uniform color and stain resistance is required immediately after placement. It enables contractors to deliver the consistent appearance needed to increase owner confidence of a job well done.

As freshly placed concrete cures, its color will vary with differences in surface moisture. Concrete curing 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.

Cureseal-W is formulated to meet ASTM C 309 requirements for Liquid Membrane-Forming Compounds for Curing Concrete. It works to prevent the spider and mud-cracking of concrete freshly placed into warm, windy, or dry environments, and eliminates the need for messy and expensive sprinklers, wet burlap, or plastic curing sheets. It resists unsightly efflorescence. When dry, Cureseal-W seals surfaces to resist staining from other construction materials and common food products. Cureseal-W may be applied by brush, roller, or spray equipment.



Floor coating and finishing material as to slip resistance only. 6L90

## 2. Colors:

Cureseal-W Concrete Curing Compound and Sealer is clear semi-gloss coating that will increase in gloss as subsequent coats are applied. It is not to be tinted. If colored curing compound and sealer is desired, use COLORCURE® Concrete Curing Compound and Sealer.

## 3. Artistic Effects:

Cureseal-W is designed to develop a uniform clear coating. Use LITHOCHROME® Tintura™ Stain or LITHOCHROME® Chemstain® Classic when color or more artistic effects are desired.

## 4. Coverage:

Coverage will depend upon the method of application, and the surface porosity and texture of the substrate. Typical coverage on flat finished concrete is 200 – 400 sq.-ft./gallon (4.5 – 10 m<sup>2</sup>/L). Porous, broom or textured finishes will require more Cureseal-W. **DO NOT THIN OR REDUCE!** Cureseal-W is not a paint.

## 5. Limitations:

Cureseal-W Concrete Curing Compound and Sealer must only be used 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 may be so prior to drying. Do not apply when 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.

Cureseal-W is not designed for immersion service or for use on surfaces subjected to reverse hydrostatic pressure. 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. If any of these are present, Cureseal-W may lose adhesion. It is not designed to be a thick film coating, and will not hide surface blemishes, construction errors, or imperfections. Always evaluate Cureseal-W on a Jobsite Test Section as described in section 6. *Jobsite Test Sections.*

**Textures and Slip Resistance:** Before finalizing application technique and sealer system selection, prepare Jobsite Test Sections as described in section 6 and evaluate for adequate slip resistance and SCOF (Static Coefficient of Friction). Do not create slippery floors that are dangerous. Test completed projects to ensure floors are safe.

## 6 Jobsite Test sections:

Prior to general application, representative Jobsite Test Section(s) must be produced and approved for each individual concrete surface, and for each color and sealer combination that will be created. Use Jobsite Test Sections to verify system suitability, surface preparation methods, adhesion, safety, performance, wet and dry slip resistance, application techniques, color, visual appearance, and product coverage. Do not proceed with products, techniques, or finishing systems that do not meet required specifications or meet with site owner approval.

Selected Jobsite Test Sections should be in close proximity to the larger job area, and made from the same concrete ingredients and mix design that will be later be placed. Test sections should be sized to be representative of the finished project, and be produced by the same workers who will place the concrete and apply the curing compound/sealer system. All test sections should be presented to owners for visual and performance approval prior beginning main project areas.

## 7. Packaging:

Cureseal-W Concrete Curing Compound and Sealer ships in 1-gallon (3.8L) cans or 5-gallon (19L) pails.

## 8. Storage and Shelf Life:

**DO NOT FREEZE!** Unopened and stored at 40°F to 120°F, Cureseal-W has a 2 year shelf life from date of manufacture. Once opened, the shelf life is one month.

## 9. Preparation and Mixing:

Cureseal-W is milk white and will look like a heavy cream. Mix until it is of uniform consistency and appearance prior to use.

## 10. Substrate Preparation:

When used as a curing compound or membrane, apply Cureseal-W when concrete is walkable and all bleed water has either reabsorbed into the concrete or evaporated.

When used on older 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. Plan carefully and divide work areas into sections



using walls, joint lines, or other stationary features to provide natural stopping points of the application.

#### ■ 11. Application:

Apply Cureseal-W Concrete Curing Compound and Sealer by brush, roller, HVLP, airless, or pump-spray application. Always wear protective clothing, goggles, gloves, and particulate respirators. Clean equipment with warm water and detergent immediately after application. Remove overspray immediately with hot water and industrial detergent. Dried material will be difficult to remove. Cureseal-W is designed to penetrate surfaces. If applied heavily over tape, it will crawl and stain under the tape. When tape masking is used, spray application of multiple light coats is recommended. For maximum sealing and stain resistance, a second coat of Cureseal-W should be applied after 28 days, when concrete has fully cured.

##### Spray applicator Guidelines:

Airless spray: 1500–2500 psi (10–17 MPa) fitted with a fan tip of 0.0130.018 inches (0.33–0.46 mm).

HVLP spray: 5–40 psi (35–275 KPa)

**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 m<sup>2</sup>/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.

#### ■ 12. Cautions:

**WARNING! MAY IRRITATE EYES, SKIN, AND RESPIRATORY TRACT. DO NOT TAKE INTERNALLY. DO NOT BREATHE IN SPRAY MIST. KEEP OUT OF THE REACH OF CHILDREN.**

**First Aid:** Eyes—DO NOT RUB EYES. FLUSH IMMEDIATELY WITH WATER. Hold eyelids apart while flushing material out thoroughly with large amounts of water. Skin—Wash thoroughly with soap and water. Remove soiled clothing and footwear and wash before reuse. Inhalation—Move to fresh air. If symptoms develop or if ingested, get medical attention. Wash thoroughly immediately after handling. Close container after each use. In case of spillage, absorb with inert material and dispose of in accordance with applicable regulations. Do not reuse empty container. Before using or handling, read the *Material Safety Data Sheet and Warranty*.

Cureseal-W must never be mixed with LITHOCHROME Chemstain Classic or any other chemical stain. Doing so can produce a dangerous chemical reaction and vapors.

#### ■ 13. Availability:

Cureseal-W 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](http://www.scofield.com) for further information.

#### ■ 14. Limited Warranty:

L. M. Scofield Company (Scofield) represents and warrants only that its products are of consistent quality and within manufacturing tolerances. NO OTHER ORAL OR WRITTEN REPRESENTATION OR STATEMENT OF ANY KIND, EXPRESS OR IMPLIED, NOW OR HEREAFTER MADE IS AUTHORIZED OR WARRANTED BY SCOFIELD, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Liability for breach of contract, negligence, or on any other legal basis is limited to the lesser of refund or replacement of defective materials. SCOFIELD WILL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING FOR DELAYS OR LOST PROFITS. Communication of this warranty and its limitations to end users is not the responsibility of Scofield, but should be communicated by those in direct contract with the end user. Any claim regarding product defect must be received in writing within one year from the date of manufacture. No claim will be considered without such written notice or after the specified time interval. The end user shall determine the suitability of the products for the intended use, and assumes all risks and liability in connection therewith.

#### ■ 15. Maintenance:

On walkways, a maintenance application of either Cureseal-W, or floor wax should be made periodically to replace topcoat that is worn from the surface. All maintenance methods should be tested.

#### **Suggested Short Form Specification for Sealing Concrete Flatwork:**

All concrete or SCOFIELD® Texturetop® flatwork designated as being sealed in the plans and specifications shall receive a cure and seal coat of SCOFIELD® Cureseal-W™ Concrete Curing Compound and Sealer, manufactured by L. M. Scofield Company, (800) 800-9900, Los Angeles, CA, (323) 720-3000, and Atlanta, GA, (770) 920-6000. SCOFIELD® Cureseal-W™ Concrete Curing Compound and Sealer shall be applied full strength in accordance with Scofield's Tech-Data Bulletin TD-1623.



1 800 800 9900 or [www.scofield.com](http://www.scofield.com)

**SCOFIELD PRODUCTS ARE INTENDED FOR PROFESSIONAL USE ONLY**

■ L. M. Scofield Company customer service: Western Headquarters:voice: fax: Eastern Headquarters:voice: fax: