



LITHOCHROME® Antiquing Release

An odorless, high-performance, powder stamp tool release that adds decorative color accents while it improves the ability to separate stamp or texturing tools from uncured concrete or cementitious material.

TECH-DATA BULLETIN TD-1410.11 Rev. 11.21.2014

1. Product Description:

LITHOCHROME® Antiquing Release is an odorless, high-performance, colored, powder stamp tool release. Use it to improve the ease of separating concrete stamp tools, embossing skins, or texturing tools from the freshly placed concrete or cementitious materials they imprint. It adds variegated color to the imprint, and can increase the perceived depth of stamp patterns. Use when stamping ordinary or colored concrete flatwork, slabs treated with LITHOCHROME® Color Hardener, self-leveling floor mixtures, skim coats, or SCOFIELD® Texturetop® concrete topping.

Apply LITHOCHROME Antiquing Release to the entire surface to be textured immediately prior to stamping. Its hydrophobic nature will help prevent the wet cementitious material from sticking to the pattern tool, and improve imprint quality. Application of the release, along with the stamping procedure, should be done while the substrate is still wet, plastic, and movable. LITHOCHROME Antiquing Release is not a coating. It must be bonded to the surface with a performance topcoat or sealer. It can be used on interior and exterior surfaces.

LITHOCHROME Antiquing Release is not a concrete curing compound. When stamping is complete, concrete must still be properly cured using sheet curing materials or a concrete curing and sealing compound such as SCOFIELD® Cureseal-W™, or SCOFIELD® Cureseal-S™.

2. Colors:

Choose from a variety of colors found on Scofield's CHROMIX® Admixtures for Color-Conditioned® Concrete, and LITHOCHROME Color Hardener Color Selection Charts A-312 and A-132. All colors are lightfast, may be used in exterior applications, and conform to durability standards outlined in ASTM C979 "Pigments for Integrally Colored Concrete." Custom colors available with minimum orders.

3. Artistic Effects:

LITHOCHROME Antiquing Release can be used when stamping most cementitious materials. Use it to achieve the look of weathered natural stone, cobbled roads, brick walkways, or aged concrete. A variety of visual effects can be achieved through color selection, and the carefully controlled removal of the excess release material. Common practice is to use color(s) that are darker than the substrate to be stamped, along with a removal technique that allows the color to remain in the deeper portions of the imprint. This can enhance the effect of the pattern.

Preferred removal techniques include the use of soft brooms, vacuum powered brooms, power floor buffers, or auto-scrubbers that will not remove antiquing release from crevices and indented areas.

4. Coverage:

For most applications, a rate of 3-4 pounds per 100 square feet is desired (1.5-2.0 kg/10m²). Stamping speed, technique used, depth of imprint, and substrate composition will all impact the exact coverage needed. Enough material must be applied to create a dry boundary layer between the material to be stamped and the imprinting tool. Exact coverage should be determined in advance of large jobs as outlined in *Jobsite Test Sections*.

5. Limitations:

LITHOCHROME Antiquing Release is not a concrete curing compound or sealer. It is not a paint or coating. A suitable concrete sealer or coating such as SCOFIELD Cureseal-W, or SCOFIELD Cureseal-S, must be used to seal the material to the substrate. It is not a mold release for precast

concrete use, and should not be used as a "form release" or "Bond-Breaker." Cementitious mixtures with high water reducer content may limit release characteristics. LITHOCHROME Antiquing Release is a light fluffy powder that cannot be applied in windy conditions. Overly heavy application can cause loss of detail in subtle stamp or embossing patterns.

6. Application:

Antiquing Release application requires the 6 steps of **Broadcasting, Stamping, Standing, Excess Removal, Curing, and Sealing**. The careful timing of each step, and repeatedly using a single application technique, is important to develop consistent results. Application to younger more plastic concrete will embed more of the release into the surface and will result in more significant color effect. Stamping more fully cured concrete will embed less color. Timing will be influenced by temperature and humidity conditions. Always prove timing and technique as described in the *Jobsite Test Sections* portion of this document.

Broadcasting: Use a soft long-bristle masonry brush to apply antiquing release. Do this by first dipping the brush into the pail of LITHOCHROME Antiquing Release to load it with material. Next, broadcast the material across the surface by flicking or shaking the brush at knee level above the surface. Repeat to develop an even layer of material that completely covers all surfaces to be stamped. Broadcasting by hand will result in lumps of material across the surface and cause uneven results. Perform this Broadcasting step after all bleed water has been reabsorbed into the substrate, it is still plastic, can be moved with moderate finger pressure, and is still easily imprinted.

Stamping: Dust a small amount of LITHOCHROME Antiquing Release onto the stamp tool, mat, or skin, and immediately place the stamp tool onto the substrate already covered with the release powder. Apply pressure to the stamp as recommended by the tool manufacturer, and use any recommended impact devices to ensure a complete imprint is made. Remove the stamp according to tool manufacturer's instructions. If wet areas appear, re-dust the stamp tool and slab, carefully replace the tool back onto the surface in the original position, and re-stamp the surface.

Standing: Allow the antiqued and stamped substrate to stand undisturbed until it cures to a stage where it is walkable and not altered by the chosen excess removal technique.

Excess Removal: Remove excess antiquing release to achieve the desired artistic effect. This may be done with a broom, a vacuum, power tool scrubbing, or gentle power washing. Mild detergent solutions may be used. Take care to remove all loose powder that may interfere with subsequent sealer or coating adhesion.

Curing: The concrete should be allowed to properly cure. Select the appropriate curing method and material that is compatible with the finish coat that will be applied. If a sheet material is appropriate, only use new and unwrinkled, non-staining, reinforced kraft curing paper conforming to ASTM C 171 Sheet Materials for Curing Concrete. If a cure and seal product such as SCOFIELD Cureseal-W or SCOFIELD Cureseal-S is to be used, do not use sheet material.

Sealing: Seal the LITHOCHROME Antiquing Release to the concrete by using a performance sealer such as SCOFIELD® Selectseal Plus™, SCOFIELD Cureseal-W, SCOFIELD Cureseal-S, CEMENTONE® Clear Sealer, or high quality epoxy or urethane topcoat. Follow all coating application instructions.

7. Jobsite Test Sections and Samples:

Prior to general jobsite use, a representative Jobsite Test Section(s) or "Mock-Ups" must be produced and approved for each individual concrete color mix design, imprinting pattern, surface finish/texture, and



for each curing compound/sealer and coating combination that will be created. They must be of adequate size to be representative of the job, and utilize the same workers that will perform the final installation. For large stamp patterns utilizing multiple imprinting mats, a minimum of 100 square feet (10m²) is required. Careful attention should be paid to edge pattern terminations, and pattern rotation techniques.

Producing antiqued, imprinted concrete requires skill and practice. Timing, finishing, application and removal techniques, mix design, texture of the imprinted pattern, color combinations, weather, experience in use of the materials, sealing and other factors will significantly affect the final appearance of the surface. Construct the Jobsite Test Section in conditions as similar as possible to those expected during the larger installation. Follow all safety requirements and recommendations from all product manufactures.

When completed, use the Jobsite Test Sections to verify entire system suitability including frame/mold and foundation preparation methods, surface concrete specification compliance, finishing techniques, safety procedures, and achieved performance of the fully cured system. When applicable, test completed systems for wet and dry slip resistance. Evaluate polishing or coating application techniques, final color, and visual appearance. Do not proceed with products, techniques, or finishing systems that do not meet required specifications or meet with site owner approval.

■ **8. Packaging:**

LITHOCHROME Antiquing Release is available in 5-pound (2.3 kg) and 25-pound (11.3 kg) pails.

■ **9. Storage and Shelf Life:**

Stored below 140°F (50°C), the shelf life of LITHOCHROME Antiquing Release in unopened containers is 2 years from the date of manufacture.

■ **10. Cautions:**

WARNING! MAY IRRITATE EYES, SKIN. DO NOT TAKE INTERNALLY. DO NOT BREATHE IN DUST. KEEP OUT OF THE REACH OF CHILDREN.

Wear dust (particulate) respirator (NIOSH TC-84A approved), safety goggles, and gloves when working with this product.

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, sweep or vacuum to collect 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.

The VOC content is 0 g/L. (0 lb/gal)

■ **11. Availability:**

LITHOCHROME Antiquing Release 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.

■ **12. 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.

ALL SCOFIELD PRODUCTS ARE INTENDED FOR PROFESSIONAL USE ONLY.

Suggested Short Form Specification for Antiqued, Imprinted Concrete:

All concrete designated in the plans or specifications as having an antiqued-imprinted surface shall be color-hardened with LITHOCHROME® Color Hardener in accordance with Tech-Data Bulletin TD-1110, using _____ color and a minimum coverage rate of _____ pounds per 100 square feet. The color-hardened concrete shall be antiqued with LITHOCHROME® Antiquing Release in accordance with Tech-Data Bulletin A-854 using _____ color, or coated and imprinted using a mat-type tool such as LITHOTEX® Pavecrafters® in _____ pattern. All antiqued, imprinted concrete shall be sealed with SCOFIELD® Selectseal Plus™, SCOFIELD® Cureseal-W™, SCOFIELD® Cureseal-S™, or CEMENTONE® Clear Sealer in accordance with Tech-Data Bulletin TD-1645, TD-1623, TD-1631/32, or TD-4630.

All products shall be manufactured by L. M. Scofield Company, (800) 800-9900, Los Angeles, CA, (323) 720-3000 and Atlanta, GA, (770) 920-6000.



1 800 800 9900 or www.scofield.com

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■ **L. M. Scofield Company customer service:** 1 800 800 9900

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