

PROVISIONAL PRODUCT DATA SHEET

LITHOCROME® 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.

DESCRIPTION

LITHOCROME® 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 LITHOCROME® Color Hardener, self-leveling floor mixtures, skim coats, or Scofield® texturetop® concrete topping.

Apply LITHOCROME® 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. LITHOCROME® 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.

LITHOCROME® Antiquing Release is not a concrete curing compound. When stamping is complete,

concrete must still be properly cured using sheet cutting material or a concrete curing and sealing compound such as Scofield® Cureseal-W, or Scofield® Cureseal-S.

USES

Use to release stamp and texturing tools while adding accent color to:

- Fresh placements of colored or uncolored concrete.
- Color Hardener topped placements.
- Cementitious based overlays and flooring.

CHARACTERISTICS / ADVANTAGES

LITHOCROME® 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 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.

PRODUCT INFORMATION

Packaging	30-pound (13.6 kg) pails.
Appearance / Colour	Available in 14 standard colors (A-21 Deep Charcoal, A-24 Russet, A-25 LA 'Crescenta Brown, A-26 Brick red, A-31 Walnut, A-33 Classic gray, A-50 Slate gray, A-51 Steadman buff, A-54 Smoke beige, A-55 Pecan tan, A-57 Platinum gray, A-58 Swiss coffee, A-59 Beige cream, A-75 Oyster white.

Shelf life2 years from the date of manufacture

Storage conditionsStore in unopened containers below 140 °F (50 °C)

APPLICATION INSTRUCTIONS

Coverage Rates

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 Section*.

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 result. 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 LITHOCROME® 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 LITHOCROME® Antiquing Release powder onto the stamp tool, mat, or skin, and immediately place the stamp tool onto the substrate already covered with 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 an 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 LITHOCROME® 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 instruction

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 a 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 recommendation 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 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.

FURTHER INFORMATION

Availability

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.

IMPORTANT CONSIDERATIONS

LITHOCROME® 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 characteristic. LITHOCROME® 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.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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