



# LITHOTEX® Liquid Release

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## TECH-DATA BULLETIN T-604.05

### 1. Product Description:

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LITHOTEX Liquid Release helps tools lift and separate from surfaces with reduced disturbance to the imprinted surface. As a result, stamping and texturing details are improved, rework is reduced, and jobs are completed faster.

LITHOTEX Liquid Release is suitable for use on surfaces which have been colored with CHROMIX® SOLACHROME™ or LITHOCHROME® Color Hardener and/or SCOFIELD® Texturetop® Stamp Grade System cementitious toppings.

LITHOTEX Liquid Release will not cause degradation of quality stamp tools like LITHOTEX® Pavecrafters imprinting tools or embossing skins. Visit the Scofield website at [www.scofield.com](http://www.scofield.com) for information and instructional materials about imprinting concrete or cementitious toppings with LITHOTEX® Pavecrafters.

### 2. Coverage:

Apply full strength. Do not thin or reduce with other solvents. Typical application rate to tools is approximately 600 square feet per gallon (10 m<sup>2</sup>/L).

Rough tool finishes will require more release solvent than smooth finishes. Other factors effecting coverage can include timing, method of finishing prior to imprinting, application techniques, effect desired, tools used, and jobsite weather or other conditions.

For extremely sticky surfaces, LITHOTEX Liquid Release may be applied directly to the concrete surface at approximately 200 square feet per gallon (5 m<sup>2</sup>/L). More exact coverage rates can be determined by casting representative jobsite samples as described in Jobsite Samples below.

### 3. Limitations:

LITHOTEX Liquid Release may be used at 40-95°F, and is compatible with all LITHOTEX Pavecrafters texturing tools and embossing skins. If other imprinting tools are used, check compatibility prior to use.

LITHOTEX Liquid Release is not intended for use as a vertical formwork release, bond-breaker, or mold release.

### 4. Applicable Standards:

Professional concreting standards and practices, including those published by the American Concrete Institute (ACI) and the Portland Cement Association (PCA), should be followed. LITHOTEX Liquid Release complies with applicable air quality management regulations that restrict VOC content to less than 450 g/L (3.75 lb/gal).

### 5. Packaging:

LITHOTEX Liquid Release is available in 1-gallon (3.8 L) and 5-gallon (18.9 L) pails.

### 6. Cautions:

#### WARNING!

**COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. HARMFUL IF SWALLOWED. DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**

Contains paraffins (petroleum). Keep away from heat, sparks, flame, or electric motors. Do not get in eyes, on skin, or clothing. Use only with adequate ventilation. Ensure fresh air entry during application and drying. Wear a properly fitted P100/organic vapor respirator (NIOSH TC-84A approved) during and after application until vapors are gone. Follow respirator manufacturer's directions for respirator use. Store upright in tightly closed containers away from combustible materials and sources of heat. In case of spillage, remove all sources of ignition, absorb with inert material and dispose of in accordance with applicable regulations. Do not reuse empty container.

First Aid: Eyes—DO NOT RUB EYES. FLUSH IMMEDIATELY WITH WATER. Hold eyelids apart while flushing material out thoroughly with large amounts of water. Ingestion—GET MEDICAL ATTENTION IMMEDIATELY. Skin—Wash thoroughly with soap and water. Remove soiled clothing and footwear and wash before reuse. Inhalation—Move to fresh air.

If symptoms persist or develop, get medical attention. Wash thoroughly immediately after handling. Close container after each use. Before using or handling, read the *Material Safety Data Sheet and Warranty*.

### 7. Storage and Shelf Life:

LITHOTEX Liquid Release should be stored below 120°F, indoors or in the shade away from direct sunlight and with a tightly closed lid.

When stored indoors in the original unopened container, the shelf life of LITHOTEX Liquid Release is 1 year from the date of purchase.

### 8. Jobsite Samples:

Producing imprinted architectural concrete requires skill and practice. Jobsite samples must be produced to allow selected colors, materials, coverage rates, tools, and construction techniques to be evaluated and adjusted or changed when needed.

At least one month prior to concrete placement, a sample slab and, if included in the design, vertical surfaces such as risers and retaining walls, must be produced and approved for each pattern and layout specified. Samples must be of representative size, a minimum of 100 square feet (10 m<sup>2</sup>), so that the color combinations, pattern layout, installation techniques, and timing can be confirmed and the finished sample(s) approved. All procedures should be performed by the same workers that will produce the project imprinted concrete, using the same techniques, materials, and required tools or equipment.

For safety considerations, the entire surface of the jobsite



sample must be inspected after completion to verify and approve the adequacy of wet and dry slip resistance.

■ **9. Equipment and Materials:**

When using equipment and materials during preparation and installation, suitable protective gear must be worn and government regulations, manufacturer's instructions, and all applicable safety requirements must be followed.

Application by a consistent output professional hand-pump sprayer equipped with a fine nozzle is recommended.

■ **10. Preparation:**

Surrounding areas and adjacent surfaces should be protected, work areas roped off and appropriate sections closed to traffic. For exterior hardscapes, landscaping should be protected, parked vehicles removed, and doors and windows closed in nearby buildings.

Weather conditions should be considered when planning outdoor installations. Professional practices as described in ACI standards 305R Hot Weather Concreting and 306R Cold Weather Concreting should be followed. Windy conditions will severely affect the application rate of the liquid release.

■ **11. Application:**

Prior to use, all tools must be dry and thoroughly clean of old concrete and residue from other liquid releases. Freshly placed concrete should be softly set and have no bleed water puddled on the surface. Puddled water or excess surface moisture could replace the liquid release and cause the texturing tool to stick to the concrete surface.

Apply LITHOTEX Liquid Release directly to the face of clean and dry mat-type texturing tools or embossing skins immediately before imprinting. For difficult or sticky jobs, additional material may be applied directly to areas to be stamped, immediately prior to stamping.

Application is best made using professional hand or pump spray equipment with a fine spray tip. As spray release solvent is designed to quickly and completely evaporate, it must be reapplied to tool surfaces prior to each use of the imprinting tool. The amount of reapplication needed will greatly depend upon temperature, humidity, and other jobsite conditions.

Use only in well ventilated areas. Read Cautions and MSDS prior to use. Vapors from this product are heavier than air. Remove all possible sources of ignition from application areas prior to beginning work. **DO NOT USE IN AREAS WHERE OPEN FLAMES OR IGNITION SOURCES SUCH AS WATER HEATERS, FURNACES, POWER TOOLS, OR WELDING EQUIPMENT ARE PRESENT.** Avoid static electric sparks. Bond and ground all transfer containers.

■ **12. Availability:**

LITHOTEX Liquid Release is marketed nationwide and internationally, directly to the user through strategically located warehouses, dealers, and representatives. Contact Scofield for its nearest representative.

Scofield offers a complete line of engineered systems for coloring, texturing, and improving performance in architectural concrete. Scofield Systems address specialized requirements for interior, exterior and vertical uses with compatible systems of complementary products including 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 and instructional materials.

■ **13. Limited Warranty:**

L. M. Scofield Company (Scofield) represents and warrants only that its products are of consistent quality 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.



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:** 1 800 800 9900

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