

PRODUCT DATA SHEET

LITHOTEX[®] Pavecrafter[®] Stamp Tool

A SYSTEM OF MAT-TYPE IMPRINTING TOOLS FOR TEXTURING FRESHLY PLACED ARCHITECTURAL CONCRETE AND SCOFIELD[®] TEXTURETOP[®] STAMP GRADE SYSTEM TOPPINGS

PRODUCT DESCRIPTION

A LITHOTEX[®] Pavecrafter[®] Stamp Tool is an integral part of a system of matched concrete and overlayment pattern and embossing tools used to transform the surface texture of freshly placed architectural concrete flatwork into patterns that mimic other building materials and artistic patterns. By combining the structural strength and wear resistance of concrete with the look of other paving materials, they create natural appearing, low-maintenance, textured surfaces in a wide variety of imprinted patterns.

USES

Use to add texture, patterns and images to concrete:

- Walkways.
- Patios and pool decks.
- Food courts.
- Tilt-up panels.

CHARACTERISTICS / ADVANTAGES

- Flexible urethane composition is impact, solvent, and tear resistant.
- Tough fabric handles.
- Diversity of patterns available.
- Most patterns available in platform and floppy style.

PRODUCT INFORMATION

Packaging

The length and width of each individual tool varies depending on the type of tool and the pattern. Tool dimensions are shown on the Scofield Pattern Detail Sheet for many patterns and are given on the LITHOTEX[®] Pavecrafter[®] Stamp Tool Price List.

Appearance / Color

LITHOTEX[®] Pavecrafter[®] Stamp Tool are available in a wide variety of textures and patterns. For many individual patterns, a pattern detail sheet is available which shows tool dimensions, the completed pattern, and information about companion tools and products. Please contact Scofield for available patterns and to request specific pattern detail sheets.

Shelf Life

Many years if properly stored.

APPLICATION INSTRUCTIONS

Use of Stamp Tools

Producing imprinted architectural concrete or cementitious overlay requires skill and practice. Tool selection, pattern layout, tool release type and color, should all be decided well in advance of use.

Tool Selection

When resurfacing and imprinting or texturing existing concrete surfaces, SCOFIELD Texturetop Stamp Grade System should be used. SCOFIELD Texturetop Stamp Grade effectively performs at depths from 1/8 inch (3 mm) to 3/8 inch (10 mm), and can be imprinted with LITHOTEX Pavecrafters Professional Grade Imprinting Tools that have a profile depth that is half or less of the application thickness.

Layout Considerations:

Since the size of each Pavecrafters tool will vary depending on the texture and pattern, the layout should be determined for each area to be imprinted. Area dimensions and tool placement should be planned to produce an optimum appearance from the specified pattern.

Areas to be imprinted must be designed so that their dimensions are in multiples of those of the imprinting tools plus approximately 1/16 inch (2 mm) per tool to allow for movement during imprinting. Since variations occur in straightness, pattern placement should not directly follow walls, but start at the form lines.

Imprinting installations normally follow straight lines, even when the substrate concrete does not, as often happens when imprinting curved walks and drives. When possible, place patterns to avoid looking down long grout or joint lines, making minor straight-line placement errors more noticeable. The best appearance will be obtained if long grout or joint lines are at an angle to the primary line of sight.

Elements that break or interfere with the pattern such as columns, walls, steps, planters, and drains should be considered and their placement or the pattern placement planned so that natural stopping points are formed. When possible, construction joints should be placed so that they are masked in the pattern, usually along pattern grout lines or boundaries.

Predetermined measuring points should be included in the plans or drawings for use in the initial alignment of the pattern and to check alignment accuracy as imprinting proceeds.

Tool Use

The stamping of cementitious materials should take place 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. The careful timing of each step, and repeatedly using a single technique, is important to develop consistent results. If colored release is used, application to younger more plastic concrete will embed more color into the surface, and stamping material in a later state of cure will embed less color. Timing will be influenced by temperature and humidity conditions. Always prove timing and stamping technique as described in the Jobsite Test Sections portion of this document.

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.

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.

Cleaning

Clean tools with warm water and mild detergent after use. Store in dry conditions to avoid mold and mildew.

AVAILABILITY/WARRANTY

Availability

LITHOTEX® Pavecrafters® Stamp Tool are marketed directly to the user from Scofield warehouses as well as selected distributors nationwide. Not all textures and patterns are stocked. Contact Scofield's Customer Service Department for availability on patterns not in stock or to inquire about custom tools.

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 for further information.

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.

LOCAL 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.

LEGAL DISCLAIMER

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