

SCOFIELD® Texturetop® Pro Stencil Grade



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A premium-quality cementitious topping system for resurfacing structurally sound, non-moving concrete floors, walls, and exterior hardscapes.

■ 1. Product Description:

SCOFIELD® Texturetop® Pro Stencil Grade is a polymer modified cementitious topping formulated for resurfacing structurally sound, non-moving concrete floors, walls, and exterior hardscapes. The cured product creates an abrasion resistant surface suitable for pedestrian and automobile traffic. It is an ideal system for restoring worn or color blemished concrete, or correcting construction errors. Properly applied to clean and sound concrete, SCOFIELD® Texturetop® Pro Stencil Grade is freeze/thaw resistant. 21-day compressive strength is 5860 psi (40.4 MPa).

SCOFIELD® Texturetop® Pro Stencil Grade is a precise blend of graded sand, cement, and polymer, which allow for thin applications. It is a pre-packaged material that is mixed on the job site with clean water. It can be smooth troweled, broom finished, or applied using a splatter brush or hopper gun for a knock down finish with LITHOTEX® Pavecrafters® Stencils. The material can be finished for enhanced slip resistance. Application thickness ranges from 1/16 inch (1.5 mm) to a maximum of 3/16 inch (4.7 mm).

SCOFIELD® Texturetop® Pro Stencil Grade is packaged in medium gray or white colors. Those base colors may be colored with a SCOFIELD® Texturetop® Color Pack. 24 colors are available. Refer to the LITHOCHROME® Color Hardener color chart for available colors. Note: When SCOFIELD® Texturetop® Pro Stencil Grade is mixed with a SCOFIELD® Texturetop® Color Pack, the cured color will not be an exact match to concrete colored with integral color or color hardener. SCOFIELD® Texturetop® Pro Stencil Grade medium gray, white or colored materials may be chemically stained by applying LITHOCHROME® Chemstain® Classic. Read the LITHOCHROME® Chemstain® Classic Technical Data Sheet before installing product. All information is available for download online at www.scofield.com and at point of purchase.

■ 2. Limitations:

SCOFIELD® Texturetop® Pro Stencil Grade is formulated for use over thoroughly clean, structurally sound, and non-moving concrete. Surface preparation is required. New concrete must be fully cured before applying the product. Maximum applied thickness is 3/16" (4.7 mm) in a single application. Do not install product if ambient and substrate temperatures are not between 45°F (7°C) and 85°F (30°C), unless site conditions can be modified to correct for temperature extremes.

SCOFIELD® Texturetop® Pro Stencil Grade should not be installed in areas subject to steel wheel traffic, strong chemicals, periodic water immersion, or hydrostatic pressure. The cured overlay surface should be sealed for ease of cleaning, particularly on interior floors. Extend existing substrate control joints up through the overlay to minimize random cracks in the overlay. Random cracks in the substrate, if not properly repaired, may transfer through the cured overlay.

■ 3. Packaging:

SCOFIELD® Texturetop® Pro Stencil Grade is available in 55 lb. (25 kg) bags. SCOFIELD® Texturetop® Color Pack weights vary from 0.5 lb.-1.25 lb. (0.23 kg-0.57 kg), depending on the color selected.

■ 3.1. Shelf Life:

2 years in original, unopened containers, in dry storage.

■ 4. Coverage:

The coverage rates of one 55 lb. (25 kg) unit of SCOFIELD® Texturetop® Pro Stencil Grade are approximately:

96 sq. ft. at 1/16" thick (9 m² at 1.5 mm thick)
48 sq. ft. at 1/8" thick (4.5 m² at 3 mm thick)
32 sq. ft. at 3/16" thick (3 m² at 4.8 mm thick)

Coverage will vary depending on the depth of installation, substrate texture, and method of application and finishing.

■ 5. Substrate Preparation:

Remove all potential bond breakers such as grease, oil, paints, sealants, drywall taping compound, mastics and other contaminants on the surface. New concrete must be fully cured and free from curing and sealing compounds, laitance, or dusting. Slick, hard-troweled floors must be opened and roughened. Random cracks must be repaired.

Surface preparation may include high-pressure washing, grinding, scarifying, shot blasting, or sandblasting, depending on the type of residue being removed and surface profile required. Refer to the International Concrete Repair Institute Guideline #03732 for information on achieving a Concrete Surface Profile (CSP) of 3-5. Failure to remove all contamination that impedes the adhesion of SCOFIELD® Texturetop® Pro Stencil Grade will cause the topping to delaminate. Detergents or soaps should not be used since they may leave a surface residue. Do not acid etch as it may weaken the surface. Unsound concrete must be removed down to sound concrete.

■ 6. Priming:

Use of a primer with SCOFIELD® Texturetop® Pro Stencil Grade is recommended except in installations that require the use of adhesive backed stencils.

SCOFIELD® Texturetop® Pro Primer helps to minimize blistering of the SCOFIELD® Texturetop® Pro Stencil Grade that is sometimes caused by the outgassing of a porous sub slab. The use of SCOFIELD® Texturetop® Pro Primer also extends the working time of SCOFIELD® Texturetop® Pro Stencil Grade and provides added durability. Shake or mix well before use. Dilute SCOFIELD® Texturetop® Pro Primer 1:1 with water and apply an even coat of SCOFIELD® Texturetop® Pro Primer to a clean and sound substrate using a paint roller or bristle brush. Coverage is approximately 200 square feet per gallon (4.9 m²/L). Take care to protect adjacent surfaces from overspray or splash. Once the application of SCOFIELD® Texturetop® Pro Primer has dried tack free, installation may proceed. SCOFIELD® Texturetop® Pro Stencil Grade may be applied up to 24 hours after application of primer. Protect primed surface from moisture and contamination. After 24 hours, if the primed surface is exposed to moisture or becomes dirty, the primer must be reapplied. Read the SCOFIELD® Texturetop® Pro Primer Technical Data Sheet before installing product. All information is



available for download online at www.scofield.com and at point of purchase.

■ 7. Mixing:

Prior to mixing, store all materials in a shaded or cool environment. Chilling the water is advisable during hot weather. Mix and install when ambient temperatures are between 45°F-85°F (7°C-30°C). Use 4.4 qt. (141 oz.) (4.16 L) of potable water per 55 lb. (25 kg) bag of SCOFIELD® Texturetop® Pro Stencil Grade. Do not mix or modify with any other liquid or chemical. When temperature or humidity changes affect water demand, make small adjustments to the amount of mixing water as needed to achieve proper working consistency. Do not over water. For vertical applications, slightly less water should be used so that SCOFIELD® Texturetop® Pro Stencil Grade does not run or sag before drying. Determine mix ratio before the installation starts. Temperature, humidity, method of application, vertical or horizontal surface, and finished texture will affect the amount of mix water. Measure the water accurately for each batch for the duration of the installation. Color and finished texture will vary if water is not consistently measured for each batch.

Always add water to the 5 gal. (19 L) pail before adding dry materials. Never add water directly to the dry material, as lumping may occur. When coloring is used, slowly add the SCOFIELD® Texturetop® Color Pack while mixing, using a 600 rpm drill and paddle, followed by the SCOFIELD® Texturetop® Pro Stencil Grade. Do not introduce air bubbles into mixture by excessive high speed mixing.

Continue to mix for a minimum of 3 minutes until a smooth, uniform, lump-free, and a streak-free color has been achieved. Utilize a drill and mixing paddle that are capable of mixing a mortar like material. Do not mix by hand. If the mixture loses its plasticity, do not retemper with water or add previously mixed material to new batches. For larger installations, a paddle mortar mixer can be used. Do not use a concrete mixer. Do not mix more material than can be correctly applied within 20-30 minutes at 70°F (21°C). Keep mixing pail free of dried build up. Change or clean mixing pail frequently to avoid pouring hardened lumps onto the substrate or into the hopper gun reservoir.

■ 8. Installation:

Mark the location of all working joints in the concrete substrate in order to saw cut joints into the overlay exactly over those existing joints. The overlay joints must be full depth and as wide as the existing substrate joints. Existing substrate joints should be filled with SCOFIELD® Texturetop® Pro Stencil Grade and achieve initial set before applying the overlay. This will prevent the existing joints from creating a shadow in the cured material. This same technique may be used with non-moving random cracks.

All repair and patching compounds must be fully cured before applying SCOFIELD® Texturetop® Pro Stencil Grade and, if used, SCOFIELD® Texturetop® Pro Primer. Install freshly mixed SCOFIELD® Texturetop® Pro Stencil Grade with a hopper gun or by trowel over a properly prepared concrete substrate. When used, allow SCOFIELD® Texturetop® Pro Primer to dry tack free before installing SCOFIELD® Texturetop® Pro Stencil Grade. Maximum applied thickness is 3/16" (4.8 mm) in a single application. For thicker applications, allow material to dry for 3-4 hours after placement at 70°F (21°C), and then apply a second layer. Place additional layers in the same manner, before the underlying layer dries completely, for the best adhesion.

During hot, windy, or low humidity conditions, and when no primer will be used, the concrete surface should be moistened with clean water. Up to 24 hours before the start of the installation, wet the concrete sufficiently and allow it to become saturated surface dry (SSD) before applying SCOFIELD® Texturetop® Pro Stencil Grade. This process will cool the substrate temperature and minimize excessive moisture loss from the overlay, which would affect the

placement and the durability of the overlay. Do not apply water to the concrete surface before or after the use of a primer. Do not apply water until patching and repair compounds have cured completely. Do not apply SCOFIELD® Texturetop® Pro Stencil Grade over standing or visible moisture on the slab surface, low spots or existing joints or cracks.

Additionally, during hot and windy weather, an evaporation retardant may be applied to the SCOFIELD® Texturetop® Pro Stencil Grade surface to reduce moisture loss, which would cause shrinkage cracking and make the surface difficult to finish. The evaporation retardant can be directly sprayed onto the overlay. Read the manufacturer's instructions thoroughly before using this product. Always maintain a wet edge during application. Terminate pours at existing joint lines, walls or other fixed objects. If a pour is terminated in the center of the floor or at a doorway between rooms for example, delineate the stopping point with a taped line. Only use blue painter's tape. Pour and distribute SCOFIELD® Texturetop® Pro Stencil Grade, just overlapping the tape, but not completely covering the tape. Remove tape as soon as the overlay has achieved initial set and before it has dried. This will leave a straight cold joint for the start of the next pour.

■ 8.1. Trowel Application:

Once material is thoroughly mixed, immediately pour SCOFIELD® Texturetop® Pro Stencil Grade from the mixing pail onto the concrete surface. A pool trowel or fresno may be used to distribute and finish the product. Similarly, a squeegee can be used to distribute the overlay before finishing with a pool trowel. Keep tools free of build up by cleaning frequently with water before the SCOFIELD® Texturetop® Pro Stencil Grade dries completely. Apply material at a consistent thickness to minimize random shrinkage cracking.

Do not overwork the surface or attempt to eliminate all trowel marks. If trowel marks are a concern, then utilize a broom, sponge float or swirl finishes hiding trowel lines and creating slip resistance. As the surface starts to dry, it will become tacky and trowelling is not advisable. Wiping the trowel blade with the evaporation retardant may eliminate tool drag. If the surface finish of the overlay is not satisfactory, scrape and remove the problem area before it starts to dry and then reapply the overlay. Note: The reapplied material may be visually different from the surrounding surfaces.

■ 8.2. Hopper Gun Application:

This method of application is suitable for horizontal and vertical surfaces. It is particularly useful when a splatter with a knock down finish is desired for slip resistance on pool decks or similar environments.

The amount of mixing water used should be adjusted for vertical applications, in order to create the desired consistency for finishing, and to allow for application through a hopper gun.

The hopper gun should be in good working order and periodically cleaned with water during the application. Do not allow material to set up in the hopper gun. Orifice size may vary depending on mix consistency. A large orifice is used for splatter or rough finishes and when the overlay material is mixed to a thick consistency. A smaller orifice is used for smoother finishes, and when the overlay material is mixed to a wetter consistency. Determine mix consistency and orifice size before the installation starts.

Deliver the overlay product with a maximum of pressure of 30 psi (0.21 MPa). Higher pressure/air volume could prematurely dry the overlay causing a rough appearance and a loss of adhesion. Use a compressor that delivers oil-free air. Attach a ball valve at the hopper gun so that air pressure can be easily and quickly adjusted at the point of application.



Do not exceed the maximum allowable thickness for SCOFIELD® Texturetop® Pro Stencil Grade. Achieve thicker installations with multiple applications. Immediately after application, SCOFIELD® Texturetop® Pro Stencil Grade can receive a knock down finish or left with the coarse texture created by the hopper gun delivery. Finishing time will vary with temperature, wind, humidity, and use of a primer or an evaporation retarder. Do not mix or apply more material than can be handled effectively for the installation.

■ 8.3. Stencil Application:

A variety of stone and brick patterns can be created on existing concrete surfaces by using LITHOTEX® Pavecrafters® Stencils and SCOFIELD® Texturetop® Pro Stencil Grade. The stencil and overlay system can be used on horizontal and vertical surfaces. Adhesive backed and non-adhesive backed stencils are available. LITHOTEX® Pavecrafters® Stencils and SCOFIELD® Texturetop® Pro Stencil Grade can be used directly over clean and sound concrete. If a mortar joint color other than the existing concrete color is desired, a base coat of SCOFIELD® Texturetop® Pro Stencil Grade mixed with a color pack can be applied before placing the stencil.

A base coat of SCOFIELD® Texturetop® Pro Stencil Grade can be applied by trowel or with a hopper gun. The base coat should be applied as thin as possible in order to achieve consistent coverage over the substrate. Once applied, allow the base coat to cure sufficiently so that it may be walked on without marring when placing the stencil. Cure time is 4-8 hours, depending on temperature, wind, humidity, and applied thickness.

After the stencil is placed, a top coat of SCOFIELD® Texturetop® Pro Stencil Grade is applied with a hopper gun. Finish and texture the overlay immediately after application. Remove the stencil after overlay has reached initial set and so that SCOFIELD® Texturetop® Pro Stencil Grade will not be marred or damaged. The timing for stencil removal will vary with temperature, wind, humidity and applied thickness. Never leave stencil on the surface overnight.

■ 9. Curing:

During hot weather or windy conditions, fog misting, curing paper (conforming to ASTM C171), or polyethylene sheets may be used to minimize plastic shrinkage cracking. The method of curing may affect the final color of SCOFIELD® Texturetop® Pro Stencil Grade. Verify curing method and timing with a mock-up. Once the curing method has been determined, utilize consistently throughout the installation. Curing time varies with ambient and substrate temperatures and humidity. The surface can be walked on gently approximately 4 hours after placement at 70°F (21°C). Cure for a minimum of 72 hours before opening the surface to automobile traffic. A full 28-day cure is required before heavy traffic or exposure to freeze/thaw cycling.

Saw cutting of control joints directly over the existing control joints in the concrete substrate should be completed within 12 hours after installation, once the surface has gained adequate strength so as not be damaged by the saw cutting process. Cool ambient and surface temperatures may delay sawing.

■ 10. Chemical Staining:

For natural appearing color variations, SCOFIELD® Texturetop® Pro Stencil Grade can be colored with LITHOCHROME® Chemstain® Classic. The overlaid surface should be fully cured, clean, and dry before applying LITHOCHROME® Chemstain® Classic. Do not utilize aggressive cleaning methods until SCOFIELD® Texturetop® Pro Stencil Grade is thoroughly cured. Read the LITHOCHROME® Chemstain® Classic Technical Data Sheet before installing product. All information is available for download online at www.scofield.com and at point of purchase.

■ 11. Sealing:

SCOFIELD® Cureseal™ 700 should be applied after the surface has cured for a minimum of 72 hours at 70°F (21°C). Application of a solvent-based sealer prior to 72 hours may weaken the surface of an overlay. Sealed surfaces may become slippery when wet. Sealed surfaces will require maintenance. Read the SCOFIELD® Cureseal™ 700 Technical Data Sheet before installing product. All information is available for download online at www.scofield.com and at point of purchase.

■ 12. Repair:

Damage to the overlaid surface should be repaired with SCOFIELD® Texturetop® Pro Stencil Grade. Once the cause of the damage has been determined and corrected, the deteriorated area should be cut and chipped to the minimum applied depth of the product, 1/16 inch (1.5 mm). If damage to the underlying concrete exceeds the maximum allowable thickness of SCOFIELD® Texturetop® Pro Stencil Grade, 3/16 inch (4.8 mm), use a suitable patching compound to repair the concrete, prior to the application of SCOFIELD® Texturetop® Pro Stencil Grade or apply SCOFIELD® Texturetop® Pro Stencil Grade in multiple applications, not exceeding 3/16 inch (4.8 mm) in a single application.

The repair cavity should be chipped to a uniform depth to minimize random shrinkage cracking in the repair materials. The perimeter of the repair cavity should be saw cut or chipped out to prevent feather edging of the patching compound. All dust and contamination should be removed before application of the patching compound or SCOFIELD® Texturetop® Pro Stencil Grade. The repaired area may appear differently than adjacent surfaces. Repair materials and methods should be evaluated and confirmed with a repair mock-up.

■ 13. Quality Control:

Cast a job site sample at least 21 days prior to the installation for approval of color and finish. Utilize all materials, tools, and techniques from the actual job in the mock-up. Consistent batching, pouring, finishing, curing, sealing, and preparation techniques, will ensure the uniformity of architectural concrete. Verify adequate wet and dry slip resistance. Discuss maintenance requirements. Site visits by Scofield personnel are for making technical recommendations only and not for supervising or providing quality control. Maintenance requirements should also be discussed.

■ WARNING

Harmful if inhaled. This Product contains silica (crystalline quartz) and Portland cement. Do not breathe dust. Prolonged exposure can result in Silicosis. Use with adequate ventilation. Portland cement is irritating to eyes and skin and may cause alkali burns. Always use protective glasses, gloves and dust mask (NIOSH/MSHA TC- 21C approved). Immediately after use wash any area of exposed skin. If contact is made with eyes flush thoroughly with water, do not rub. If inhaled, move to fresh air. If symptoms develop or persist, or if ingested, seek medical attention. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN and animals. Dispose of all residual materials according to local, state, and federal regulations. Read the Safety Data Sheet before using or handling this product. All information is available for download online at www.scofield.com and at point of purchase.



■ WARRANTY

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Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer’s sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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Suggested Short Form Specification for SCOFIELD® Texturetop® Pro Stencil Grade – Repair:

Prepare overlay surfaces [Optional: and prime with SCOFIELD® Texturetop® Pro Primer] according to manufacturer's instructions. Mix SCOFIELD® Texturetop® Stencil Grade according to manufacturer's instructions and apply by trowel or squeegee to a uniform thickness of 1/16 in. to 3/16 in. Clean tools frequently to avoid build up of overlay materials. Seal concrete with 2 coats SCOFIELD® Cureseal™ 700 with slip-resistive additive according to manufacturer's instructions.

Suggested Short Form Specification for SCOFIELD® Texturetop® Pro Stencil Grade – Decorative:

Prepare overlay surfaces [Optional: and prime with SCOFIELD® Texturetop® Pro Primer] according to manufacturer's instructions. Mix SCOFIELD® Texturetop® Pro Stencil Grade with SCOFIELD® Texturetop® Color Pack [_____] according to manufacturer's instructions and apply by trowel or squeegee to a uniform thickness of 1/16 in. to 3/16 in. Clean tools frequently to avoid build up of overlay materials. [Optional: Apply LITHOCHROME® Chemstain® Classic using [_____] color according to manufacturer's instructions.] [Optional: Apply LITHOTEX® Pavecrafters® Stencils according to manufacturer's instructions and spray-apply overlay cementitious topping by hopper gun according to manufacturer's instructions.] Seal concrete with 2 coats SCOFIELD® Cureseal™ 700 [Optional: with slip-resistive additive] according to manufacturer's instructions.



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