Sure-Tough ST 7114

Applied Polymer Solutions, LLC

PRODUCT PROFILE

GENERIC DESCRIPTION **PREMIUM ACRYLIC SEALER -** a one component solvent based Waterproofing Sealer and treatment for application to porous substrates such as concrete or cement for the purpose of preventing the penetration of water. The acrylic sealer that offers excellent gloss and the product has a fast set time.

RECOMMENDED USAGE Recommended for sealing concrete or cement. Do not use in immersion service or chemical exposure areas.

COLORS Clear only

CHARACTERISTS/FINISHES

SURFACE High-Gloss

PRIMERS None required.

TOPCOATS/FINISHES None required. Multiple coats are of this product are compatible. Contact your sales representative for proper topcoat system selections.

TECHNICAL SPECIFICATIONS

SOLIDS BY WEIGHT Mixed: 28% (+/-2%)

THICKNESS 3-6 mils (wet) / .6-1.3 mils - dry film thickness

VOLITALE ORGANICS <600 grams per liter

MIX RATIO One component product, stir well before using

APPLICATION TEMP 55°F - 90°F (12°C - 32C°)

CURE SCHEDULE

Cure State	70°F (21°C)
Tack Free	Less than 1 hour
Light Traffic/Recoat	1-3 hours
Full Cure/Heavy Traffic	24 hours

**Full chemical resistance may not be reached for up to 5 days,*

STORAGE TEMP 65°F - 85F° (18°C - 30°C) in a dry area. Avoid excessive heat and freezing.

SHELF LIFE 1 years in an unopened container

PACKAGING All kits are premeasured, ready for blending and application

Size	Part A	Coverage (1,604/WFT) x gallons
5 gallon kit	5 gallon	1,335 - 2,670 sq. ft.
55 gallon kit	55 gallon	2,14,685 - 30,250 sq. ft.

Published technical data and instructions may be modified at any time without prior notice. Please contact your Applied Polymer Solutions representative with any questions.

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SURFACE PREPARATION

SURFACE All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate.

MOISTURE Allow concrete to cure for 28 to 45 days. Verify dryness by testing for moisture with a "plastic film" test; this can be done at room temperature by placing a 4' x 4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating. Should moisture be present, perform Moisture Vapor Emission Rate testing using Anhydrous Calcium Chloride (ASTM F1869). Moisture content should not be in excess of 3 lbs. per 1,000 sq. ft. for coatings (5 lbs. for resurfacers) in a 24 hour period.

MOST SURFACES Surface preparation will vary according to the type of complete system to be applied. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. For a complete system build higher than 10 mils dry, we recommend a fine brush blast (shot blast).

FILLING & PATCHING Voids, cavities, nail and bug holes should be filled with a recommended epoxy filler. All large cracks should be V cut and filled with an appropriate semi-rigid epoxy crack filler.

JOINTS All expansion joints should be filled with an appropriate joint filler. When overlaying an expansion joint, a single saw cut through the epoxy overlay will prevent random fracturing.

APPLICATION

MIXING This product should be stirred well before using. Mix with slow speed mixing equipment to avoid introducing air into the material.

THICKNESS 3-6 mils (wet). The material can be applied by brush or roller. Maintain temperatures and humidity within the recommended ranges during the application and curing process. Always apply a test area to determine suitability of the product before use.

RECOAT/TOPCOAT If you opt to recoat this product, you must first be sure that all of the solvents have evaporated from the coating during the curing process. The information on the front side are reliable guidelines to follow. However, it is best to test the coating before recoating. This can be done by pressing on the coating with your thumb to verify that no fingerprint impression is left. If no impression is created, then the recoat or topcoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can commence. We do not recommend any coatings be placed over this product except multiple coats of this product itself.

CLEAN UP Xylene.

**Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.*

FLOOR CLEANING Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

*Color stability may be affected by environmental conditions such as high humidity or chemical exposure.
* Product is not UV color stable and may discolor if exposed to lighting such as sodium vapor lights.
* Colors may vary from batch to batch due to variations in the silica filler.
* Mortar colors are not from our standard color chart.
* Substrate temperature must be 5 degrees F above dew point.
* For chemical exposure areas, we recommend a suitable topcoat to reduce porosity and chemical migration.
* Test data based on neat resin.
*This product is not intended for use as a decorative coating or where color stability or visual appearance is of any significant importance. Its sole purpose is as a protective coating.
*If a topcoat of a different color is to be used, multiple coats will be necessary to prevent bleed-through (discoloration)

Warranty & Limitations of Seller's Liability: Applied Polymer Solutions, LLC warrants only that our materials represented herein meet the formulation standards or Applied Polymer Solutions, LLC.

We warrant that our products are manufactured to the specifications and that the information stated here is accurate to the best of our knowledge. Information supplied about our products is not a representation or a warranty. It is supplied on the condition that the buyer shall conduct their own tests to determine the suitability of our product for their particular purpose. Listed physical properties are typical and should not be construed as specifications. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS THAT WILL BE OBTAINED FROM ITS USE. N0 WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** We have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of product delivery means acceptance of the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may **CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL DIRECTIONS AND PRECAUTIONS ACCORDINGLY.**

APPLIED POLYMER SOLUTIONS, LLC

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