

DESCRIPTION: Ultra Surface Acid Stains enhance new and existing concrete by adding a variegated, translucent coloring effect to the surface. These coloring effects are a result of a unique formulation of blended acidic metallic salts. Ultra Surface acid stains become a part of the concrete surface wearing only as the concrete wears. Because of the nature of acid stains the coloring may vary throughout the job and the final results cannot be guaranteed. It is always recommended to do a small test area to determine the final color before starting the installation. **For floors in need of repairs or resurfacing, it is recommended to apply Ultra Surface Resurfacer followed by Ultra Surface Spray-Top before acid staining (see the Spray-Top Technical Data Sheet under acid staining on page 5-6 and the Spray-Top DVD for how-to instructions).** Ultra Surface Acid Stain can also be applied directly over Ultra Surface Resurfacer or ¼" Stamping applications.

TYPICAL USES: Ultra Surface Acid Stains are available in nine standard colors and are used to provide variegated and translucent coloring effects to regular concrete and polymer concrete surfaces. They can be used straight out of the container or diluted from 1 part up to 20 parts water to achieve lighter or darker shades of color and applied in one or more coats. They can also be mixed together or applied over different colors of Ultra Surface Spray-Top to create your own unique colors.

TESTING AND MIXING: Read all cautions and Material Safety Data Sheets before any work is started. Always do a small test before project installation and have it approved. The coloring effect can vary depending on the age, texture, finishing techniques, and other variables within the concrete surface. When mixing colors, keep a record of the ratios mixed for future use and color matching.

APPLICATION INSTRUCTIONS:

1. For Professional Use Only!
2. Protect all surrounding areas before staining. Rope off areas to be stained and keep all traffic clear of the area until the installation is complete. Wet floors can be slippery!
3. Wear suitable protective gear, read all cautions below and all Material Safety Data Sheets.
4. When going over regular concrete, Ultra Surface Acid Stain will achieve the darkest color when used straight out of the container. For a lighter color or when going over Ultra Surface Polymer Concrete or Spray-Top, Ultra Surface Acid Stain can be used straight or diluted 1 part up to 20 parts with water.
5. Regular concrete must be cured a minimum of 28 days. Ultra Surface Resurfacer or Spray-Top can generally be stained over within 12 to 24 hours.
6. Curing compounds, sealers and other membrane forming products applied to the concrete surface prior to staining will affect the ability of the stain to properly react with the concrete. Some concrete surfaces may be too hard to react with and may need resurfacing with Ultra Surface Resurfacer and/or Spray-Top to achieve the look desired. Concrete surfaces must be clean and free of all foreign contaminants such as curing compounds, bond breakers, oil, sealer, dirt, paint, and cleaning residue. Pressure washing and/or additional cleaning methods may be required to totally clean the concrete surface of all contaminants.
7. Use Non Metallic Equipment. Ultra Surface Acid Stain will react with metals, therefore the use of brushes, brooms, sprayers and buckets that are non-metallic is recommended. An acid resistant pump up sprayer can also be used.
8. Always use caution when opening the containers of product. Do not allow containers to stand on untreated concrete areas after opening, as staining will occur if the material is spilled.
9. Always use in a well-ventilated area.
10. Always do a small test in an inconspicuous area before project installation, to insure approval and compatibility of all products and desired color. Read all labels and technical data sheets before using Ultra Surface Acid Stain. Always check local codes for all Federal and State Regulations, along with the appropriate safety standards. Dispose of left over stain product and/or stain residue in accordance with these regulations.

11. Start with a small test Area. Choose an out of the way area. Because of the nature of all stains, a record of the mix ratios used should be made for future reference.
12. Depending on the color desired, an application of two or more coats of stain may be required. For the best results, mop the residue off the first coat before applying a second coat. Coverage is approximately 150-200 sq. ft. per gallon, per application, depending on the porosity of the surface and dilution rate.
13. Apply Ultra Surface Acid Stain using an acid resistant pump-up sprayer, an acid resistant scrub brush or the Ultra Surface Sponge Roller. Scrub or roll the acid stain into the concrete as soon as it is applied to the concrete surface keeping the brush or roller in constant contact and motion with the surface. Keep a wet edge and a uniformly saturated surface. Spray more stain behind the scrub brush or roller to help hide brush or roller marks. DO NOT allow the stain to puddle, splash, or drip on the floor or treated surface as darkening and discoloration from the rest of the floor or treated surface will occur. When staining over polymer concrete or Spray-Top it is best to dampen the surface with water immediately ahead of the acid stain to achieve a more natural look and to avoid spray spots.
14. Remove any acid stain residue by mopping or wet scrubbing with an acid resistant broom and a neutralizing cleaner (such as 10 parts water to 1 part household ammonia), then rinse the surface until the rinse water is clean. When applying acid stain over Ultra Surface Spray-Top, the residue should be mopped with water until clean. Do not scrub the surface to remove the residue over Spray-Top or rinse with a hose or pressure washer. See the Spray-Top Technical Data Sheet under acid staining instructions for more information. All residues must be removed before any coating can be applied. Use caution when handling the stain residue and water drainage. Protect all adjacent foliage and soil from over-spray and runoff. Use an acid resistant wet/dry vacuum and follow all governmental regulations for disposal.
15. **Sealing:** Acid stained surfaces can be sealed with at least two coats of either Ultra Surface Stamped Concrete Sealer, or Ultra Surface Acrylic Urethane for interior or exterior applications. Never apply Acrylic Urethane over Stamped Concrete Sealer or visa versa. For interior floors only, Ultra Surface Sealcoat 1000 or WB Epoxy clear can be used as a first coat and WB Urethane as the second coat where a water-based, low odor system is desired. Use an airless or HVLP Sprayer when using Sealcoat 1000 to achieve the best results. **Do not use WB Epoxy over Avocado or Sea Green or they can turn blue.** When going over these colors use Sealcoat 1000 as the first coat and either WB Epoxy or WB Urethane as the second coat. For interior floors, it is recommended to protect the sealer and acid stain application using Ultra Surface Floor Finish. Apply Ultra Surface Floor Finish using a rayon mop as a regular maintenance procedure when necessary, especially on high traffic floors. See the Ultra Surface Floor Finish, Stamped Concrete Sealer, Sealcoat 1000, Acrylic Urethane, WB Epoxy and WB Urethane Technical Data Sheets for more information.

Note: Avocado, Sea Green and Island Blue are best for interior use only. These colors can react with moisture in the concrete and over time can darken or turn black.

CAUTIONS: DANGER! OXIDIZER! CORROSIVE! EYE AND SKIN BURNS! CAUSES SEVERE EYE AND SKIN IRRITATION-BLINDNESS! MAY BE FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN! PROLONGED OR REPEATED BREATHING MIGHT CAUSE ULCERATION OR PERFORATION OF NASAL MEMBRANES. CAN CAUSE CANCER, CANCER HAZARD DEPENDS ON THE LEVEL OF EXPOSURE AND DURATION. KEEP OUT OF REACH OF CHILDREN! FOR PROFESSIONAL USE ONLY! DO NOT USE UNLESS WEARING A P100/HYDROGEN CHLORIDE RESPIRATOR NIOSH TC-84A. WEAR PROTECTIVE CLOTHING – GOGGLES – GLOVES – CHEMICAL RESISTANT APRON AND BOOTS.

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