

**DESCRIPTION:** Ultra Surface Stamped Concrete Sealer is a single component, clear acrylic formulation developed to provide a hard, glossy, protective film to beautify and protect regular concrete, stamped concrete, exposed aggregate and other masonry surfaces. It is easy to apply, fast drying, ultraviolet stable, non-yellowing under extreme exposure and provides a tough, durable, ultra clear finish with excellent abrasion, chemical and stain resistance. It is available in two versions, regular and VOC compliant for areas with strict VOC laws such as in Arizona and California.

**TYPICAL USES:** Ultra Surface Stamped Concrete Sealer is used indoors and outdoors on driveways, patios, pool decks, sidewalks and interior floors where a long lasting, tough, stain resistant finish is desired. Ultra Surface Stamp Concrete Sealer is the most commonly used sealer over the Ultra Surface 1/4" Stamping System and can also be used to seal and protect exposed aggregate surfaces to provide a wet-look appearance. It is sometimes mixed with Antique Powders to add color or antiquing to stamping applications. Do not use on exterior flagstone, sandstone or slate.

**SURFACE PREPARATION:** The surface must be clean and sound, free from oil, dirt, waxes and any other contaminants that may interfere with bonding. The most common method is: scrubbing with detergent, acid washing, neutralizing and pressure washing. Existing coating materials should be removed, or if in good condition sanded with a floor polisher machine with a sandpaper attachment and 80 grit sandpaper to lightly scratch and dull the surface.

Note: Going over existing coatings is up to the discretion of the applicator. It is not recommended to apply it over concrete with curing or sealing membranes. [See Ultra Surface Products Manual section one for more detailed information.]

**APPLICATION INSTRUCTIONS:** For most applications it is best to apply a first coat thinned 1 to 1 with acetone (where local laws permit) then a second coat straight or thinned up to 25%. For extra gloss a third coat can be applied if desired. Where less gloss is desired, apply 1-2 coats thinned 1 to 1. Apply in thin, even coats by using a pump-up sprayer followed by back rolling or a HVLP or Airless sprayer at low pressure for the best results. If using a pump-up type sprayer it will need to be chemical resistant against solvents such as acetone (available from Concrete Solutions) and be capable of spraying a fine, even spray with out leaving drips or puddled areas. Avoid using in direct sunlight or during the hottest part of the day. After the first coat dries for 30 minutes to 1 hour, a second coat can be applied.

**Warning** - Ultra Surface Stamped Concrete Sealer is a flammable and hazardous material. Do not use in areas with poor ventilation or anywhere near a pilot light or open flame.

## STAMPED CONCRETE SEALER

### Technical Information

#### Properties of Stamped Concrete Sealer

Coverage Rate	200-300 sq. ft./gal
Solids Content, by Weight	28%
Dry to Touch (70 degrees)	30-60 minutes
Walk-on time	4-6 hours
V.O.C. (Regular version)	580 grams/liter
V.O.C. (VOC version)	400 grams/liter
Tukon Hardness	16
Adhesion to concrete	concrete fails before sealer

#### Chemical Resistance

Chemical resistance of Ultra Surface Stamped Concrete Sealer is good against oil, grease and most other common chemicals encountered in residential and some commercial environments. Concrete Solutions recommends each client conduct their own specific test to determine suitability of this or any other product for their particular application.

**Slip Resistance:** Ultra Surface Stamped Concrete Sealer can become slippery when wet especially on smooth surfaces. It is up to the end user to determine the suitability of the Stamped Concrete Sealer for their particular application. Slip resistant granules such as glass beads or #80-100 white aluminum oxide granules can be incorporated into the wet Stamped Concrete Sealer to provide whatever degree of slip resistance is necessary. Concrete Solutions or its sales agents will not be responsible for injury incurred in a slip fall situation.

**Health Hazards** - Use with adequate ventilation, wear gloves to avoid contact with skin, use the proper cartridge type respirator in confined areas. Read Material Safety Data Sheet prior to use.

**Application Temperature** - 50 degrees F or above.

# ANTIQUING INSTRUCTIONS OVER 1/4" STAMPING APPLICATIONS

## ANTIQUING USING LIQUID RELEASE AGENT AND ANTIQUING COLOR POWDER

To use the Liquid Release Agent for antiquing, **mix 1-4 ounces of Antiquing Color Powder, in the color desired, to one gallon of the Liquid Release Agent.** Antique Powder Release Agents are available through Concrete Solutions in 30 standard colors (see price list and color chart). There are basically two methods of antiquing using Liquid Release, Antique Powder and Stamped Concrete Sealer.

**Antiquing Method One: (For indoor jobs, use Method Two)** - For outdoor jobs, one method of antiquing is to spray colored Liquid Release Agent over the surface just prior to stamping instead of using clear Liquid Release. After stamping a section (approx. 50 sq. ft.), spray more colored Liquid Release Agent over the freshly stamped area to achieve the look desired or allow it to puddle in the low areas of the texture. If necessary, add more antique powder (up to 4 oz. per gallon of liquid release) to make the antiquing color darker or add more clear liquid release agent to make the color lighter. Once you achieve the antique look desired, move on to the next area. It is important to mix each batch of colored liquid release the same and to spray each section the same in order to achieve a uniform antique look over the entire surface. How the antiquing looks over the stamped concrete while wet, is how it will look the next day when sealed.

As the stamped concrete dries and the Liquid Release evaporates, the colors of the stamped concrete and the antiquing color will fade lighter. When sealed with either Ultra Surface Stamped Concrete Sealer or Acrylic Urethane the colors will come back to how they looked when wet. **Always practice on a sample board to perfect the look you want and have it approved by the customer before doing a job.** Allow the 1/4" stamping material and liquid release agent to dry completely (no damp spots) before sealing with Stamped concrete Sealer or Acrylic Urethane.

## REMOVING THE ANTIQUE COLOR WHERE TOO HEAVY OR UNEVEN BEFORE SEALING

If the antiquing color was applied to heavy or uneven, it should be able to be removed (before sealing) using simple green detergent and a scrub broom. Try diluting the simple green with 5 - 10 parts of water and scrubbing the surface to remove any unwanted antique color. Pressure wash the surface to clean and rinse. For stubborn areas you may need to use simple green undiluted. When rinsed and dry, use method two below to restore the antiquing to the surface.

## Antiquing Method Two: (This method is recommended for indoor jobs but can also be used for outdoor jobs.)

This method of antiquing requires using clear liquid release during the stamping process then coming back the next day when the stamped surface is dry to apply the antiquing. This method is easier since you do not have to stamp and antique at the same time as with method one.

**Note:** Before proceeding with the antiquing or sealing process, be sure the customer is satisfied with the stamping color and overall appearance. If the color is not right, Ultra Surface Spray-Top can be sprayed in a thin coat over the entire surface to correct any color problems, or it can be used to change the color completely if necessary (see the Spray-Top technical data sheet under stamping for more information).

**Step 1** - If everything looks good and Spray-Top isn't needed, proceed by applying Ultra Surface Stamped Concrete Sealer thinned 1 to 1 with acetone (where local laws permit) as the first coat of sealer over the dry, un-antiqued, stamped surface. For the best results use Concrete Solutions solvent resistant 3 1/2 gal. pump-up sprayer to apply the Stamped Concrete Sealer.

**Step 2** - Once the Stamped Concrete Sealer dries, usually within 30 minutes - 1 hour, Liquid Release Agent mixed with Antique Powder can be sprayed over the Sealer in the antiquing color desired. Spray the colored Liquid Release Agent over the Stamped Concrete Sealer using a pump-up sprayer to achieve the look desired, or simply allow it to puddle in the low areas of the texture for the standard look. Usually 1-4 ounces of Antique Powder is mixed per gallon of Liquid Release Agent to achieve a lighter or darker antiquing. If desired more than one antique color can be applied with the Liquid Release Agent, or spot spraying different colors in different areas can be done to achieve more creative coloring effects. How the antiquing looks wet is similar to how it will look when sealed. If the antiquing doesn't look good while wet, wipe it off with a mop (before antiquing the whole surface) and start over trying your own techniques and mixtures of color to achieve the look desired. Allow the Liquid Release antiquing to dry completely before beginning step 3. If puddles remain after 2 hours, soak them up by carefully laying a rag over the puddled areas without disturbing the antiquing color. After soaking up most of the puddled areas, a fan can be set up, if necessary, to blow across the floor and help dry the Liquid Release faster. When the Liquid Release finally dries, there will be loose antique powder left behind laying on top of the first coat of Stamped Concrete Sealer. The antique powder will look lighter in color than when it was wet but will turn dark again when sealed.

**Step 3** - Now that the surface is sealed and covered with loose antique powder, the next step is to apply a second coat of Stamped Concrete Sealer also mixed 1 to 1 with acetone (where local laws permit) over the loose antique powder and first coat of sealer. The second coat of Stamped Concrete Sealer will cause the first coat to become tacky again (if applied within several hours) allowing the antique powder to bond in-between both coats.

**Step 4** - For the final topcoat seal, apply one or two more coats of Stamped Concrete Sealer thinned 5-25% with acetone. These more concentrated coats of sealer may need to be sprayed using an airless or sprayed with a pump-up sprayer and immediately back rolled using a 3/8" nap paint roller. Do a small area to determine the best method before sealing the entire surface.

**Maintenance** - For interior floors it is recommended to wax over the Stamped Concrete Sealer using Ultra Surface Floor Finish to provide extra slip resistance and protection against wearing and scuff marks. On high traffic floors a regular maintenance routine of cleaning and waxing is recommended to keep the floor looking like new.

**Warning:** Remember to turn off all pilot lights of gas stoves, furnaces or water heaters etc. and not to apply the Stamped Concrete Sealer or any solvent-based sealers near an open flame as they are very flammable. Use the appropriate breathing respirators in areas with poor ventilation.