

Description

Spray-Top is a revolutionary, polymer-modified cement coating designed for spraying over concrete and other surfaces like a thin coat of paint. Spray-Top is applied using a special paint gun and equipment (available through Concrete Solutions, Inc.) to provide a thin, smooth, cement finish in 30 standard colors or any color desired. It conforms to whatever surface or texture it is applied, leaving smooth surfaces smooth and textured surfaces textured. Depending on the application, a prime coat may be needed prior to applying Spray-Top. Ultra Surface Spray-Top is generally applied over old or new concrete but can also be used over other types of surfaces including foam shapes. Before applying over new concrete allow 28 days of curing time. Read this Technical Data Sheet prior to using Spray-Top for proper mixing and application instructions according to the job application and conditions. Mixing instructions and how to use the Spray-Top machine are found on page 7 and 8.

Typical Uses

Stamped Concrete Applications - Decorative stamped concrete that has faded or discolored over the years, can be sprayed with a thin coat of Spray-Top to restore the original color, or to provide a new color while preserving the existing pattern and/or texture. Spray-Top can then be antiqued, if desired, using one of Concrete Solutions color antiquing methods (described on page 4), and sealed with Ultra Surface Stamped Concrete Sealer or Acrylic Urethane. If the existing surface has been sealed, it will be necessary to strip off the sealer and apply a prime coat of Ultra Surface WB Epoxy prior to applying Spray-Top. (See stamped concrete application instructions on page 4 and 5.)

Acid Staining Applications - Spray-Top can be used to provide a smooth, even finish prior to acid staining. For acid stain applications it is best to apply a Squeegee/Bond coat (or Ultra Surface Resurfacer) as the first coat to cover holes, gouges, patching or other surface blemishes. Spray-Top can then be applied as the final topcoat to achieve a smooth, uniform finish. For most acid stain jobs, Spray-Top can be applied as it comes in the bucket with a white cement base, or it can be sprayed in any color desired. Besides spraying Spray-Top it can also be applied by trowel or metal squeegee to smooth out the Resurfacer. This method is used to achieve more of a marbling look before acid staining. This method only works when using Spray-Top as it comes in the bucket (white base) or when using liquid colors. When using powder pigments spraying is the best to avoid color streaks. (See acid staining instructions on page 5 for detailed instructions on acid staining with Spray-Top.)

Solid Color Applications - Before applying Spray-Top as a solid color application over existing concrete, it is recommended to apply a smooth Squeegee/Bond Coat or Texture Coat of Ultra Surface Polymer Concrete as the first coat. The Squeegee/Bond Coat (or Ultra Surface Resurfacer) is generally applied as the first coat on indoor and outdoor applications to provide extra durability and to help hide crack repairs, patching and surface imperfections before applying Spray-Top. For outdoor applications it is recommended to apply a Squeegee/Bond Coat (Resurfacer) and Broom Finish Texture Coat of Ultra Surface Polymer Concrete (straight or swirl texture) prior to applying Spray-Top. The squeegee coat of Resurfacer helps hide crack repairs and surface imperfections, the texture coat provides slip resistance and the Spray-Top helps to achieve a more uniform color before applying the sealer. (See solid color application instructions on page 3.)

Stencil, Logo or Modello Applications using Spray-Top – Another popular application for Spray-Top is over stencils, logos and modellos to simulate the decorative sandblasted look without all the mess and clean-up. Many borders and decorative patterns are available to choose from on our new website at www.concretesolutions.com. For instructions on using Spray-Top with stencils and modellos see page 7.

Other uses – Ultra Surface Spray-Top can also be used on vertical walls, foam shapes and many other applications. (A how-to DVD is available on how to use Spray-Top. To order call (800) 232-8311.)

Coverage Rate - Spray-Top should cover approximately 400 sq. ft. per pail for acid staining or solid color smooth applications and up to 600 sq. ft. per pail when going over stamped concrete applications.

Surface Preparation

The surface must be clean and sound, free from dirt, oil and any other contaminants that may interfere with bonding. For most applications, power scrub the surface with detergent (such as Simple Green or equivalent), using a floor polisher machine and scrub brush attachment, then pressure wash, acid wash, neutralize and rinse (where local laws permit). For acid washing instructions refer to the Ultra Surface Product Manual section two. For large commercial jobs, shot-blasting or dustless grinding is recommended. After shot-blasting or grinding, it will be necessary to apply a Squeegee/Bond Coat of Ultra Surface Polymer Concrete (or Resurfacer) to cover the shot-blast profile and smooth out the floor prior to applying Spray-Top.

Crack Repair Instructions (Crack repairs are not guaranteed)

Structural moving cracks should be repaired using the Ultra Surface Crack Repair System. Structural moving cracks are any cracks that begin and end at an edge or joint. It is not recommended to apply Spray-Top over moving cracks without first repairing them with this system. (See the Ultra Surface Crack Repair Instructions in section three of the Ultra Surface Product Manual for step-by-step pictures and mixing and application instructions). Once the crack repairs have been made they should be patched and the entire floor resurfaced with a Squeegee/Bond Coat of Ultra Surface Polymer Concrete (or Ultra Surface Resurfacer).

Crack Repair System Summary: Clean the cracks by routing with a right angle grinder and diamond blade attachment or pressure washing. The Ultra Surface Crack Repair System involves using Epoxy 500 to fill the cracks and then applying Ultra Surface Elastomeric Basecoat and 4" Crack Repair Fabric over the Epoxy 500. When using this crack repair system, it will be necessary to apply one or two patch coats of Ultra Surface Polymer Concrete over the crack repairs and a Squeegee/Bond Coat (or Ultra Surface Resurfacer) over the entire surface to help hide the repairs. After the Squeegee/Bond Coat (or Resurfacer) dries; a Texture Coat of Ultra Surface Polymer Concrete can be applied, if necessary for slip resistance, before applying Spray-Top

Non-Moving Shrinkage Crack Repair Instructions

Non-moving shrinkage cracks are fine cracks that do not begin or end at an edge or joint. They are generally less than 1/16th of an inch wide by less than a few feet long and start in the middle and stop in the middle of a concrete slab. These types of cracks do not need to be repaired with the crack repair system above. They can be covered with the polymer concrete Squeegee Coat or Texture Coat application, or filled with Spray-Top using a putty knife or trowel prior to the final spray coat of Spray-Top.

Patching And Resurfacing

Spray-Top will conform to whatever surface it is applied, showing any imperfections in the existing surface such as holes, spalls, gouges, deterioration or other surface damage. If patching is required, use Ultra Surface Resurfacer for repairs 1/16-1/8 inch deep or Ultra Surface Patching Mix for repairs 1/8-1/2 inch deep to smooth out the surface prior to applying Spray-Top. Ultra Surface Concrete Polymer can also be used to make your own patching mix using local cement, sand and water (see the Patching Mix technical data sheet for mixing instructions). After patching, it will be necessary to apply a coat of Ultra Surface Resurfacer over the entire surface to help smooth out the patches and hide any repairs. Apply the Resurfacer as smooth as possible in the same color as the Spray-Top color to be used. Ultra Surface Integral Color Paks are available in 30 colors to mix with the Resurfacer and Spray-Top. Mix two Integral Color Paks per bag of Resurfacer or pail of Spray-Top. Custom liquid colors are available for an extra charge. When using liquid colors, mix one can of liquid color per pail of Spray-Top.

SPRAY-TOP MOST COMMON APPLICATIONS

Once the surface preparation, crack repair, patching and resurfacing (where needed) is completed, the next step is to apply Spray-Top. Before applying Spray-Top, decide what type of application it will be used for to determine what primers (if any) and sealers will be needed. The most common applications are providing a solid color over regular concrete to change the color or to cover up discoloration and stains; restoring old stamped concrete to a like new condition; or as a base coat for decorative acid stain flooring applications.

IMPORTANT: Before mixing or applying Spray-Top, choose the application below that best describes the job description or conditions and follow the instructions for the proper primer and sealer to use. For Spray-Top mixing instructions and how to set-up the Spray-Top machine, see page 7.

Applying Spray-Top In A Solid Color Over Unsealed Regular Concrete

For solid color applications over unsealed regular concrete, it is best to apply Spray-Top over an Ultra Surface Polymer Concrete Squeegee/Bond Coat (or Resurfacer) for indoor jobs, and a Broom Finish Texture Coat for outdoor jobs. If desired, MRB Primer can be used as a prime coat under the Resurfacer for extra protection against a possible moisture vapor transmission problem (see page 8).

For indoor jobs, apply the Resurfacer as smooth as possible using our Metal Edge Squeegee. Some jobs may require more than one coat of Resurfacer to achieve the finish desired. When dry, the Resurfacer can be sanded, if needed, using a floor polisher machine and a 60-100 grit sandpaper attachment to smooth out any ridges or chatter marks left from the squeegee. Once the Resurfacer dries (usually within 4-6 hours) Spray-Top can be applied in the color desired to achieve a smoother, more uniform finish.

Applying Sealer Over Spray-Top Solid Color Indoor Applications - When the Spray-Top cures for 6-12 hours it can be sealed using Ultra Surface Stamped Concrete sealer or Acrylic Urethane for a solvent-based system or Sealcoat 1000, WB Epoxy clear and/or WB Urethane for a water-based low odor system. WB Epoxy can only be used on indoor application. The other sealers can be used indoors or outdoors. If using Stamped Concrete Sealer for the first coat, only Stamped Concrete Sealer can be used for the second or third coat. If using Acrylic Urethane for the first coat, only Acrylic Urethane can be used for the second or third coat. For the water-based sealers, Sealcoat 1000 or WB Epoxy clear can be used as the first coat and WB Urethane can be used as the second or third coat. It is also recommended on indoor applications to apply Ultra Surface Floor Finish as regular maintenance, when needed, to help protect the sealer and keep the Spray-Top application looking like new. All sealers should be applied over Spray-Top using an airless or HVLP sprayer to achieve the best results. Floor Finish should be applied using a rayon mop. Before Spray-Top is sealed it can stain easily, so protect it from footprints, water and spills until sealed (wipe your feet or wear booties before walking on it).

For outdoor jobs such as driveways and walkways, first do any crack repairs and/or patching required followed by a coat of Resurfacer over the entire surface to help hide the repairs. When the Resurfacer dries, apply a broom finish texture of Ultra Surface Polymer Concrete to provide adequate slip resistance. If necessary, coarser sand can be added to the broom finish mixture to achieve the slip resistance needed, especially on a slope or hill. For pool decks we recommend our Trowel Knockdown or ¼" Stamping System for the best slip resistance and most decorative appearance. We do not recommend Spray-Top directly over regular concrete pool decks unless a broom finish or trowel knockdown texture of polymer concrete (or Resurfacer) is applied to provide enough texture for slip resistance.

It is also recommended to apply the Ultra Surface Resurfacer (smooth or textured) in the same color as the Spray-Top that will be applied over it to achieve the best results. Integral Color Paks are available in 30 colors. Mix two paks per bag of Resurfacer or bucket of Spray-Top. One pack can be used for a lighter color.

Applying Sealer Over Spray-Top Solid Color Outdoor Applications - When the Spray-Top dries it will be necessary to apply two coats of the proper Ultra Surface sealer according to the job conditions. The most common sealers used outside over Spray-Top are the Ultra Surface Stamped Concrete Sealer, Acrylic Urethane or Sealcoat 1000. Do not allow the Spray-Top to be walked on or to get wet before the sealer is applied. The person applying the sealer should clean the bottom of their shoes with a rag before walking on the Spray-Top to avoid leaving stains or footprints. The recommended procedure for applying sealer over solid color Spray-Top applications is to use an Airless or HVLP sprayer. The Spray-Top Sprayer can also be used to apply the sealers where local laws permit. When using the Spray-Top sprayer to apply sealers, it will be necessary to tighten the bottom knob on the gun enough to achieve a fine spray.

Do not use a roller or pump-up sprayer to apply sealers over Spray-Top when doing solid color applications. A pump-up sprayer and roller can work for acid staining or stamped concrete applications, where more than one color is used over Spray-Top, but is not recommended for solid color applications. For all applications two coats of sealer minimum is recommended. If using Sealcoat 1000 (water-based) as the first coat, the second coat should be Sealcoat

1000. If using Stamped Concrete Sealer as the first coat, only Stamped Concrete Sealer can be used as the second Coat. If using Acrylic Urethane as the first Coat, use Acrylic Urethane as the second coat. The best sealer to use will depend on the job application. For recommendations, please call us at (800) 232-8311.

Applying Spray-Top over an existing sealer – Our recommendation is to remove any existing sealers to get down to the original concrete substrate before applying Spray-Top. If the existing sealer is not peeling or delaminating, it may be possible to go over it by sanding the surface with a floor polisher machine and #80 sandpaper, followed by a prime coat of Ultra Surface WB Epoxy clear. WB Epoxy will bond to most sealers, however, going over an existing sealer with WB Epoxy is at the applicators own risk. Always do a bond test with the WB Epoxy before doing the job. Concrete Solutions cannot guarantee a bond to existing sealers. The best recommendation is to remove the sealer whenever possible. Allow the WB Epoxy to cure at least 4-6 hours before applying Spray-Top over it. It is important to apply Spray-Top over the WB Epoxy within 4-6 hours to achieve the best bond possible. See the WB Epoxy Technical Data Sheet for mixing and application instructions.

Applying Colorcoat 100 Over Spray-Top To Achieve A More Uniform Colored Finish - Spray-Top is a cementitious material and cannot be guaranteed to come out or stay a uniform color on every application. Depending on the surface and how it is applied, it is possible to experience some mottling or light and dark color variations, just like with regular concrete. On outdoor jobs it is possible for the Spray-Top to darken next to joints or open cracks due to moisture. For the best uniformity, apply Spray-Top over Ultra Surface Resurfacer mixed to the same color as the Spray-Top color. Another option is to apply Ultra Surface Colorcoat 100 over the Spray-Top in the same color. Apply the Colorcoat 100 by roller or use an airless sprayer or the Spray-Top machine to achieve the best results. Colorcoat 100 is available in the same colors as Spray-Top. When dry, the Colorcoat 100 should be sealed with one of the recommended sealers above.

Applying Spray-Top Over Regular Or 1/4" Stamped Concrete

Spray-Top can be applied directly over unsealed Stamped Concrete (that has been properly cleaned and etched) or a prime coat of Ultra Surface MRB Primer (Moisture Resistant Barrier) can be applied to achieve the best color uniformity and protection against possible moisture vapor transmission problems from below the surface. Apply MRB Primer using a pump-up sprayer followed by a 1/2" nap paint roller to achieve a thin, even coat with no puddles (approx. 400 sq. ft. per gal.). Spray-Top can be applied over the MRB Primer within 4-6 hours or more depending on temperature conditions.

If going over an existing sealer it will be necessary to clean the surface with detergent and then to sand the sealer using 80 grit sand paper to scratch and dull the surface. Next, apply Ultra Surface WB Epoxy clear as a bond coat before applying the Spray-Top. It is important to apply Spray-Top over the WB Epoxy within 4-6 hours to achieve the best bond possible. WB Epoxy should bond to most sealers, however, going over an existing sealer with WB Epoxy is at the applicators own risk. The best recommendation is to remove the sealer completely whenever possible. Always do a bond test with the WB Epoxy before doing the job. Concrete Solutions cannot guarantee a bond to existing sealers. Do not use MRB Primer over existing sealers or Spray-Top. MRB Primer should only be used as a prime coat directly over unsealed concrete.

Application Instructions Over Stamped Concrete - Spray-Top is used over stamped concrete to restore or change the existing color and should be applied as thin as possible to preserve the existing pattern and/or texture. Adjust the bottom knob on the gun to achieve a fine spray. Watch the Spray-Top DVD for a better understanding of how to apply Spray-Top over stamped concrete applications. When the Spray-Top has cured for at least 12 hours or more it can be acid stained or antiqued using the method described below.

Antiquing Over Spray-Top using acid stain– If using acid stain, it can be applied directly over the Spray-Top and then rinsed by mopping with water (do not pressure wash). When dry, it can be sealed with Stamped Concrete Sealer or Acrylic Urethane or one of our water-based sealers (see acid staining instructions on page 5). If no acid stain is being used, follow the instructions below.

Antiquing Over Spray-Top using Stamped Concrete Sealer and Antique Powders:

Step one - Apply Ultra Surface Stamped Concrete Sealer thinned 1 to 1 with acetone (where local laws permit) as the first coat of sealer over the Spray-Top. Apply the Stamped Concrete Sealer using an airless or HVLP sprayer or the Spray-Top Sprayer can be used (where local laws permit). When using the Spray-Top sprayer to apply sealers, it will be necessary to tighten the bottom knob at the back of the gun to achieve a finer spray. A pump-up sprayer and paint roller can also work over some stamping applications. Do a test area to determine the best results.

Step two - When the first coat of Stamped Concrete Sealer is dry to touch, usually within 30 minutes, the antiquing color can be applied over the sealer using Ultra Surface Liquid Release Agent and Ultra Surface Antiquing Color Powder. Mix 1-4 ounces of Antique Powder to one gallon of Liquid Release to achieve the amount of antiquing desired. Spray the liquid release, colored with antique powder, using a pump-up sprayer and allow it to puddle in the low areas of the texture. If the color is too light, add more antique powder (up to 4 ounces total). If the color is too dark, add more liquid release until you achieve the look desired. The way it looks wet, is close to how it will look when sealed. When the antiquing dries, it will look lighter in color than when it was wet. After the sealer is applied, the color should darken back to the way it looked wet. Always do a sample and have it approved by the customer before doing the job. For indoor jobs, the liquid release will take longer to dry than outdoors. After a couple of hours of drying, lay a rag over any puddles to soak up the excess release agent and/or set up a fan to blow over the floor to help dry the remaining wet areas.

Step three - Once the liquid release antiquing dries, apply a second coat of Stamped Concrete Sealer thinned 1 to 1 with acetone (where local laws permit) using an airless or good quality pump up sprayer. The second coat of sealer will make the first coat tacky again allowing the antique powder to bond in-between both coats. When dry, apply one or two more coats of Stamped Concrete Sealer thinned 5-25% to achieve the finish desired. Always do a sample in a small area and have it approved before doing the whole job. **Turn off all pilot lights before using Stamped Concrete Sealer or any solvent-based sealers.** (See the Stamped Concrete Sealer Technical Data Sheet for more information.)

Applying Spray-Top Before Acid Staining

For acid staining applications it is recommended to apply a basecoat of Ultra Surface Resurfacer before applying Spray-Top to cover up any patching or surface blemishes and for extra durability. Apply the Resurfacer as thin as possible (less than 1/16th of an inch) over the surface using our metal edge squeegee and/or a hand trowel. Press the edge of the metal squeegee or trowel tight against the surface to achieve a thin, even coat without leaving any ridges. If ridges occur, walk out on the surface using spiked shoes to trowel them flat before they dry or they can be sanded smooth, when the Resurfacer dries, using a floor polisher machine and #60-100 grit sandpaper. When the Resurfacer dries, usually within 2-4 hours, apply Spray-Top over the Resurfacer using the Spray-Top sprayer to achieve a smooth, uniform finish. Spray-Top can also be spread over the Resurfacer using our metal edge squeegee when using the white base as it comes in the bucket or liquid colors only. The powder integral colors can streak when squeegeed or troweled. This method leaves more of a marbling appearance instead of a uniform appearance. The coverage rate should be approximately 400 sq. ft. or more per pail of Spray-Top. Allow the Spray-Top to cure for at least 12 hours before applying the acid stain.

Applying Spray-Top over an existing sealer before acid staining – Our recommendation is to remove any existing sealers to get down to the original concrete substrate before applying Spray-Top. If the existing sealer is not peeling or delaminating, it may be possible to go over it by sanding the surface with a floor polisher machine and #80 sandpaper (on smooth surfaces), followed by a prime coat of Ultra Surface WB Epoxy clear. Always do a bond test with the WB Epoxy before doing the job. WB Epoxy will bond to most sealers, however, going over an existing sealer with WB Epoxy is at the applicators own risk. Concrete Solutions cannot guarantee a bond to existing sealers. The best recommendation is to remove the sealer whenever possible. When the WB Epoxy has dried for 4-6 hours, apply Ultra Surface Resurfacer followed by Spray-Top for the final coat. Do not allow the WB Epoxy to cure more than 6 hours before applying Resurfacer. Allow the Resurfacer to dry 4-6 hours before applying the Spray-Top. See the WB Epoxy Technical Data Sheet for mixing and application instructions.

Applying Acid Stain Over Spray-Top – When staining over Spray-Top, always do a sample and have it approved by the customer before doing the job. Acid stains can be diluted from 1 to 20 parts water to 1 part acid stain when staining over Spray-Top. More water will create a lighter stain color and less water will create a darker stain color. For the best results, spray a thin coat of water over the Spray-Top ahead of the acid stain to avoid leaving spray spots. The water gives the acid stain a chance to disperse more evenly over the floor before it starts to react. Another way to avoid spray spots is to hold the tip of the pump-up sprayer close to the surface while spraying, within 6 to 12 inches.

To begin staining, work in approximately five foot sections at a time spraying water and then acid stain. Be careful to keep a wet edge until reaching the designated stopping point. Besides spraying the acid stain, try brushing over the stain in a circular motion using an acid resistant broom or scrub brush and then immediately spraying more stain behind the broom to eliminate any broom lines. Another Method is to spray the water and acid stain then following immediately behind with a special faux sponge roller (available from Concrete Solutions). **This method using the faux roller is demonstrated in our Spray-Top DVD presentation.** After using the faux roller it is recommended to spray more stain or water behind the roller to move the stain around. When the faux roller is used by itself it may leave a leopard spot type pattern, which may or may not be the desired look.

For a multi-color effect, apply two colors of acid stain at the same time using two acid resistant pump-up sprayers or allow one color to dry and then rinse with a clean mop before applying a second or third color of acid stain. By wearing soccer shoes with the smooth, raised white nubs at the bottom, it is okay to walk on the wet acid stain to apply other colors. The important thing is not to twist your feet to avoid damaging the Spray-Top and to spray more stain where you walk to cover the round marks left from the shoes. Do not use shoes with black nubs as the acid can attack and leave black marks.

Important - Allow the acid stain to dry for at least a couple of hours or more after each coat before rinsing to avoid removing too much of the stain before it can react with the Spray-Top. Do samples before each job to test results.

Rinsing The Acid Stain - If the acid stain was diluted with lots of water up to 20 to 1, a light rinsing with a mop should be sufficient. The more concentrated the acid stain, the more rinsing will be required. Some applications may need to be mopped two or three times with clean water to completely remove the residue. **Do not use a power scrubber, stiff brush or a water hose or pressure washer to remove the residue.** The rinse water will eventually soften the Spray-Top making it easier to damage, so light rinsing with a mop is all that is recommended. Once the rinse water dries the Spray-Top will harden up again. While rinsing, do not roll or drag the mop bucket over the wet areas of the Spray-Top. Also, try not to walk on the wet areas until dry. If more acid staining is required, more coats can be applied using the same or different colors at various dilution rates to achieve the desired result.

A faster tip for removing the residue - If a lot of acid stain residue is on the surface, a faster method of rinsing is to lightly wet the surface with water and then to use a sponge squeegee to remove the heavy residue followed immediately with the mop to remove any squeegee marks before they can stain into the floor. Squeegee the residue into a pile onto some plastic off the stained floor area and pick it up using a wet/dry vacuum. Dispose of the residue according to local laws.

Sealing Over The Acid Stain – For interior and exterior jobs, once the acid staining is completed and the surface is rinsed and dry, the final step is to apply a sealer to protect the Spray-Top and acid stain. For a solvent-based sealer apply either Ultra Surface Stamped Concrete Sealer or Acrylic Urethane. The first coat for either sealer can be thinned 25-50% with acetone where local laws permit. The second coat should be applied straight or thinned only 5-10%. **Never apply Acrylic Urethane over Stamped Concrete Sealer or visa versa.** The best method for applying sealers is to use an airless or HVLP sprayer to achieve the best finish possible. If using a pump up sprayer and roller method the results may vary. Always do a sample to achieve the desired results before sealing the entire floor.

If an odorless water-base sealer is desired, especially for indoor jobs, Sealcoat 1000 or WB Epoxy can be used as the prime coat followed by WB Epoxy or WB Urethane as the topcoat. WB Epoxy will work directly over most stain colors but should not be applied over green, avocado or blue stains as it can change the color. For these colors use Sealcoat 1000 as the first coat followed by WB Epoxy or WB Urethane as the second coat. For the best results, apply the sealers in a thin even coat using an airless or HVLP sprayer (especially when using Sealcoat 1000). A pump-up sprayer, followed by back rolling with a ¼ -3/8” nap paint roller may also work for some applications. Do a test area to check the results before doing the entire job. SB or HP Urethane can also be used for extra durability over the WB Epoxy where solvent based sealers can be tolerated. (Read the Technical Data Sheets for each sealer prior to use).

Sealer Maintenance For Indoor Jobs Only - Once the sealers are applied on indoor jobs, it is recommended to protect and maintain them with Ultra Surface Floor Finish. Ultra Surface Floor Finish can be applied as a maintenance coat, whenever needed, to protect the sealers and acid staining and keep the floor looking like new. The

Floor Finish is a polish that is economical and easy to apply by using a rayon mop. Do not apply Floor Finish outdoors. For more information see the Ultra Surface Floor Finish Technical Data Sheet.

Applying Spray-Top Over Stencils, Logos and Modellos

For this application apply a Squeegee/Bond Coat (or Resurfacer) over the area to receive the stencil or modello. When dry in 2-4 hours apply Spray-Top to achieve a smooth finish. Apply acid stain or any coloring method over the Spray-Top and let dry. For the best results, apply WB Epoxy clear (indoors only) to seal and protect the stained or colored Spray-Top and allow to dry for at least 4-6 hours when 60 degrees or above or 8-12 hours between 50-60 degrees. Lay the stencil or modello over the WB Epoxy and secure in place. Apply Spray-Top over the WB Epoxy and Modello within 6-12 hours after the WB Epoxy was applied. Apply over the stencil or modello in a thin coat so the outline of the stencil or modello can be seen through the Spray-Top. Allow to dry for 12 hours or more before applying stains, dyes or antiquing colors. If the stains will be applied thin, without puddling, it may be possible to stain over the Spray-Top within 4-6 hours of drying or sooner. If liquid colors and stains are allowed to puddle over Spray-Top before it has a chance to fully cure, small blisters can occur. If your application requires puddling, try to remove the puddled areas within 30-60 minutes to avoid the chance of blistering. Once the coloring process is completed and rinsed if needed, remove the stencil or modello and apply the final coats of sealer. Ultra Surface WB Epoxy clear is recommended as the topcoat for indoor applications to provide the best protection and durability. When sealing over green or blue acid stain colors it will be necessary to apply Sealcoat 1000 or Stamped Concrete Sealer as the first coat followed by WB Epoxy as the second coat. Ultra Surface Floor Finish can be used over the WB Epoxy as a maintenance coat, especially on high traffic jobs. For more information on our Modello System and to choose borders and patterns, please visit our website at concretesolutions.com.

Applying Spray-Top Over Vertical Surfaces

Spray-Top can be applied over walls and other vertical surfaces after the proper surface preparation. It works the best on vertical surfaces when mixed with 9-10 quarts of water per five-gallon pail (instead of 10-12 quarts for horizontal applications). When dry, apply a sealer over the Spray-Top to prevent water stains. Ultra Surface Sealcoat 1000 or Stamped Concrete Sealer can be used or other wall sealers are being developed. Call Concrete Solutions for details.

SPRAY-TOP MIXING INSTRUCTIONS

To mix the whole bucket of Spray-Top, open the bucket and remove the bag from inside, then follow the step-by-step mixing instructions below: **(See the Spray-Top DVD for more instructions on mixing and using the equipment.)**

Add to a 5 Gallon bucket:

10-12 quarts of water (start with 8 quarts. Add 3-4 more quarts after mixing all ingredients. Use 9-10 quarts total for walls.)

2-4 ounces of Polymer Concrete Retarder (green liquid in a one gallon jug. 4 oz. will keep the Spray-Top fresh longer.)

2 Integral Color Paks (choose the color desired off of the Concrete Solutions 8 ½ x 11 color chart.)

1 bag of Spray-Top (slowly add the entire bag while mixing with a drill motor and mixing paddle.)

Mix the above ingredients in a five-gallon mixing bucket using a drill motor and mixing paddle for approximately five minutes to achieve a lump free consistency. Pour the mixed material through a paint strainer before spraying (see instructions below).

Note: To prevent the Spray-Top from sloshing out of the bucket while mixing, put the mixing paddle through the pour spout on the lid of the bucket before attaching it to the drill and secure the lid on tight. With all the ingredients in the bucket and the lid on tight you can mix at full speed without making a mess.

To Make A Smaller Batch - To make a smaller batch, start with two parts Spray-Top to one part water. Add a little more water as needed to achieve a paint-like consistency (same consistency as five-gallon mix), do not make too watery. When using Integral Color Paks, mix the color paks with the entire bag of dry Spray-Top mix before adding any water. Mix the dry Spray-Top with the color paks using a drill motor and mixing paddle for several minutes. After mixing, pour the colored, dry mixture into another 5 gallon bucket and mix again to be sure the bottom of the bucket was mixed thoroughly before measuring out small batches.

Straining The Mixed Spray-Top - After mixing the Spray-Top with water, it is important to strain it like you would a paint to remove any lumps before spraying. Use the nylon strainer provided with the Spray-Top package or purchase from a local paint store. For the best results, fit the nylon strainer over a five-gallon bucket and slowly pour the Spray-Top through the strainer. While wearing rubber gloves, lift the strainer out of the bucket and squeeze the excess Spray-Top through the nylon strainer. Immediately rinse the strainer with water for later use. Immediately after straining the Spray-Top, set the entire bucket into the pressure pot. Push the handle of the five-gallon bucket down to the side and secure the lid on the pressure pot hand tight. See application instructions below.

SPRAY-TOP EQUIPMENT PACKAGE

Spray-Top can only be applied using a special spray gun and equipment available through Concrete Solutions. The Spray-Top equipment package cost \$2500.00 and includes the equipment and enough product to apply up to 1000 square feet. The Spray-Top machine requires a gas or electric powered compressor with 9-11 SCFM which is not included in the package. If using an electric compressor it should have at least a 25-34 gallon tank and 120 - 150 psi air pressure. To order the Spray-Top Package, contact Concrete Solutions at (800) 232-8311. A smaller package deal will be available soon for \$1500.00. It will include a smaller machine and enough product to do up to 500 sq. ft.

SPRAY-TOP APPLICATION INSTRUCTIONS

When the equipment is set up properly and ready for spraying (see instructions that come with the equipment), begin spraying Spray-Top to achieve the finish desired. Read the “**Most Common Applications**” section on pages 2 - 5 to find out what primers to use if any, before applying Spray-Top and which sealers to use once the Spray-Top dries. Adjust the fan pattern on the spray gun and volume of material coming out, by using the knobs at the back of the gun. The top knob will control the width of the fan and the bottom knob will control the volume of material coming out. Tighten the bottom knob to achieve a fine spray pattern and loosen it to achieve a heavy spray pattern.

Hold the gun approximately 2-3 feet from the surface you are spraying to achieve a uniform finish in a thin, even coat. Keep the fan spray straight up and down and even with the surface. Check the fan spray by spraying on some plastic or cardboard to be sure it is even all the way across and not spraying thicker on one side or in the middle. If the Spray-Top is applied uneven, thicker areas can dry slightly darker than the thin areas creating a striped effect.

Coverage Rate – The coverage rate for Spray-Top should be between 400-500 sq. ft. per five-gallon pail for most applications. When going over stamped concrete surfaces, apply Spray-Top as thin as possible to preserve the existing texture. Over Stamped Concrete it is possible to achieve 600-800 sq. ft. per five-gallon pail. If Spray-Top is applied too thick in one coat small micro cracks can appear. If a thicker application is desired allow the first coat to dry to touch, then a second coat can be applied directly over the first. If the surface is shot-blasted or too rough for Spray-Top to fill in smooth, apply Ultra Surface Resurfacer as a basecoat before applying Spray-Top.

Cleaning The Spray-Top Machine

After using the Spray-Top machine, immediately rinse water through the hose and gun to prevent the Spray-Top from setting up and clogging the hose. To clean the Spray-Top machine, release the air from the pressure pot until the gauge on top of the lid is at zero. Remove the lid off the pressure pot and wipe off the shaft (coming off the lid) with a rag, then remove the bucket of Spray-Top. Place a bucket with at least two gallons of water in the pressure pot. Secure the lid back on hand tight. Hook up the air hose from the compressor to pressurize the pot and spray water through the hose and gun until clean.

It is best not to leave the Spray-Top in the hoses for more than 10 minutes at a time without spraying the gun periodically to allow fresh material to flow through the fluid hose from the pressure pot. Especially on hot days in the direct sun when the hoses are hot. If the machine will be sitting for longer than 10 minutes without being used, pull the trigger on the gun every 5-10 minutes to allow fresh material to flow through. It is also recommended to run some water through the fluid hose and the gun between batches to keeping them clean and working properly.

Slip Resistance

It is up to each applicator to determine the degree of slip resistance needed according to the job conditions. For all outdoor Spray-Top applications it is recommended to apply the Spray-Top over a textured surface (such as an Ultra

Surface Polymer Concrete Broom Finish) and/or to use slip resistant additives such as aluminum oxide granules to avoid slip/fall accidents. Aluminum oxide granules (#80 white) can be lightly broadcast into the Spray-Top or first coat of Sealer. Concrete Solutions, Inc. or its sales agents will not be held responsible for slip fall accidents. Aluminum Oxide granules are available through Concrete Solutions.

Moisture Vapor Transmission

Moisture vapor testing of the surface is recommended before applying the Spray-Top or any other floor coating application to check for hydrostatic pressure or moisture vapor transmission problems from below the surface. These types of problems are rare but can cause blistering or delamination if the moisture vapor levels are higher than normal. A reading of 4 or below using the calcium chloride dish test is generally considered to be safe. Moisture preventative primers and sealers such as Ultra Surface Moisture Guard and MRB Primer are available for extra insurance against moisture problems if required. They are not guaranteed to stop a moisture problem in every situation but offer extra protection. Contact Concrete Solutions for more details. Concrete Solutions and its sales agents will not be responsible for coating failures due to moisture vapor emissions.

Warranty And Disclaimer

Concrete Solutions, Inc. warrants its products to be of the highest quality and free from defects. Our only warranty with respect to the products we sell, and our sole obligation, is to replace, or give credit for any of our products that prove to be defective. Any claim under this warranty must be made no later than one year from the date of purchase. Concrete Solutions, Inc. makes no other warranties expressed or implied, or statutory such as warranties of merchantability or fitness for a particular purpose. In no event shall Concrete Solutions, Inc. be liable for consequential or incidental damages. The product buyer assumes all responsibility or risk whatsoever as to the result of the use of the products purchased from Concrete Solutions, Inc. or its suppliers, whether used singly or in a combination with other products or substances. Our warranty excludes problems that may occur following product application due to moisture in a substrate, cracking or problems associated with the substrate on which the product or products are applied.