



Liquid Release Agent Data Sheet

Part # LRA

DESCRIPTION: Concrete Solutions® Liquid Release Agent is a special formulation used to spray over Concrete Solutions® Polymer Concrete 1/4" Stamping applications and regular stamped concrete, to prevent the patterned stamps and/or texture skins from sticking to the surface. It can also be mixed with Concrete Solutions Antiquing Color Powders in various colors to antique stamped concrete applications during or after the stamping process. Using a liquid release agent instead of a powder release agent has its advantages. Liquid Release Agent is cleaner. When the liquid release agent is mixed with the antiquing powder for antiquing, there is no loose powder to blow in the wind or sweep up the next day. When the surface is rinsed prior to sealing, very little color rinses off so the rinse water remains practically clear. Unlike using the Liquid Release Agent, a powder release agent gets all over the person throwing the product and all over the job site. When stamping with the powder release agent, it is easier to leave bald spots since you cannot see what you are stamping. Concrete Solutions Liquid Release Agent allows you to see the impression each stamp is making so any touch-ups can be made before it is too late.

FEATURES & BENEFITS:

- Cleaner than powder release agents
- Can be used indoors and outdoors without leaving a mess
- Minimizes bald spots when stamping concrete
- Can be applied with a solvent resistant pump up sprayer (available at Rhino Linings Corp. or many Concrete Solutions distributors)

CHEMICAL PROPERTIES:

	Result
Coverage Rate per Gallon	200 – 300 sqft
Odor	bubble gum
Color	clear

APPLICATION INSTRUCTIONS:

Once the Concrete Solutions 1/4" Stamping Mix, Stamp-Top™ or regular concrete is cured to the point where it is ready to stamp, start by spraying a section of the surface (approx. 50 sqft at a time) with the Liquid Release Agent where you wish to begin stamping. Spray the Liquid Release Agent at a coverage rate of approx. 200 – 300 sqft per gallon to completely cover the surface in a thin, even coat using a pump-up sprayer.

After spraying a section of the surface, spray the textured side of the stamps one time with the Liquid Release Agent before laying them on the surface. Immediately place the first stamp over the Liquid Release Agent and square with the starting edge or corner. Use the handles on the stamp to carefully set it in place. While standing on the first stamp lay the second stamp next to it and so on until all of the stamps are fit tightly together over the stamping material and Liquid Release Agent.

Once the stamps are in place, use your feet and/or the stamp pounder to walk or pound on the stamps to leave the desired impression. If the stamping material is soft, you may not need the pounder. Simply walk on the stamps with your feet. Before moving a stamp, stand on one end while lifting the other end halfway off the surface to check for any bald areas. If necessary lay the stamp back down and pound again using your feet or the pounder where needed.

After achieving the desired impression, lift each stamp straight up off the surface and move to the next area. Continue spraying the Liquid Release Agent ahead of the stamps a section at a time and moving stamps until the entire surface is completed.

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 Rhino Linings Corp or many Concrete Solutions distributors in 30 standard colors (see color chart). There are basically two methods of antiquing using Liquid Release Agent, Antique Powder and Stamped Concrete Sealer.

CONCRETE SOLUTIONS® LIQUID RELEASE AGENT *(continued)*:

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 Agent. 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 Agent) 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 Agent 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 Agent evaporates, the colors of the stamped concrete and the antiquing color will fade lighter. When sealed with either Concrete Solutions 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 too 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 and it 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 over all appearance. If the color is not right, Concrete Solutions 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 Concrete Solutions 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 ½ 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 up 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 the antiquing 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 Concrete Solutions 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.

COLOR OPTIONS: Clear. Concrete Solutions Antique Color Powder is available in 30 standard colors

HOW SUPPLIED: Packaged in one gallon and five gallon pails

CONCRETE SOLUTIONS® LIQUID RELEASE AGENT *(continued)*:

WARNING: Liquid Release Agent is combustible and should be kept away from open flames. Turn out all pilot lights. Wear the proper breathing mask in areas with poor ventilation. Read Material Safety Data Sheet before using. For professional use only!

SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS)

Chemical systems require the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines.

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