

PRODUCT: STONE STAIN CSS-1

(Colors and Clear)

DESCRIPTION: Stone Stain is a water based, semi-transparent stain and sealer for concrete and masonry. It is composed of modified acrylic polymers and pigments suitable for interior or exterior applications. Stone Stain is a highly durable polymer with good water resistance. It colors and seals new or old concrete. Stone Stain is not a paint but a true stain which penetrates into the pores of the concrete. This makes it less prone to wear, chipping or peeling. It provides color to the substrate without hiding its texture or character. Stone Stain-clear also provides an excellent protective coating. It meets all air quality VOC requirements.

Colors: Stone Stain is available in over 30 standard colors and unlimited custom color matches. Colors may be ordered pre-mixed or as a clear base and color pack addition. Stone Stains may be made more opaque by using an additional color pack.

USES: Stone Stain may be used to stain and seal concrete, masonry and some porous tile (ie: saultillo). Grout joints in tile and masonry may be colored and sealed without giving the mortar a painted appearance. Polymer-cement decking or overlays (Polycross) may be stained. Stone Stain-clear protects decorative concrete, concrete pavers, clay pavers, rock formations etc.

ADVANTAGES: Stone Stain is a safe, easy product to apply. It adds color and seals concrete without giving it a painted appearance. It is a durable polymer with good water resistance for interior or exterior applications. Unlike acid stains, Stone Stains provide a wide choice of colors and the colors are predictable. Unlike paint, Stone Stains provide color yet still allow the natural texture and character of the substrate to show. Stone Stains make it easy to clean driveways, garage and kitchen floors from grease, oil and other chemicals. The excellent water resistance properties make stone stain the recommended stain for artificial rocks and other surfaces around fountains and pools. It helps reduce the occurrence of efflorescence.

TECHNICAL DATA:

Form:	Thin liquid
Type:	Acrylic
Weight:	8.5 lbs. per gallon
Clean up:	Water
Coverage:	200-600 sq. ft. per gallon (can vary dramatically).
Drying time:	Touch 30 min. @ 70° F.
Re-coat:	30 min.- temp. dependent
Light traffic:	24 hours.
Heavy traffic:	3-7 days.
Gloss:	Matte - low gloss
V.O.C content:	100 g/L

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CAUTION: It is the responsibility of the user to make sure the application is done with adequate texture for proper slip resistance.

APPLICATION:

Surface Preparation - All surfaces must be clean and free of all dirt, dust, oil, grease, bond breakers, loose coatings, paint or anything which may inhibit penetration and adhesion. Washing with a cleaner and high pressure water is suitable for many applications. The recommended procedures for preparing a substrate are:

1. Remove all oil and grease with suitable degreaser or stripper.
2. Wash surface with a solution of muriatic acid to open the concrete for better penetration. (optional)
3. Neutralize the acid and remove all residue. (optional)
4. Thoroughly clean with a cleanser (ie: TSP) and rinse with a high pressure washer.

Concrete should be at least 7 days old prior to application. Always test small areas prior to the start of the entire project. Proper surface preparation is critical to good adhesion and penetration.

Priming: All exterior concrete (driveway - patios) substrates should be primed with R-Crete Silox PS-2. Priming helps adhesion but also reduces efflorescence and water pressure attack coming from beneath the slab. Coverage should be approximately 300-500 sq. ft. per gal. depending on surface porosity.

Colors - Stone Stains are a thin liquid, causing color pigments to settle to the bottom of the container. For uniformity in color the stain must be thoroughly mixed to properly disperse color. Prior to and during application, the bottom of the container must be scrapped, stirred and checked to assure all color is dispersed. When using more than one container mix separate containers together. When adding color packs the container must be rinsed completely clean with the clear stain base.

Stir well.

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Applying - Stone Stain may be applied by brush, roller, spray, broom, sponge or other method depending on the finish required. Do not apply in temperatures above 95⁰F or below 55⁰F. Extra precautions must be taken when the temperature may drop below 50⁰F prior to cure. Applications may need to be done earlier in the day to allow for longer cure times. Do not apply if rain is eminent prior to cure. Apply in thin coats to allow the texture of the substrate to show through. Spraying the applied stain with a light mist of water is an effective technique for blending colors together. Special finishes such as flagstone, saultillo paver, slate and others may be achieved using different faux techniques. When adding texture, either for slip resistance or appearance it is best to broadcast a 90 or 120 grade silica sand into the color coats. This helps hide the color of the sand and will give a more natural appearance. See R-Crete recommendations for individual special finishes. Adding skid resistance to the clear top coat should be done with R-Crete Clear Tex.

Top Coats - A clear top coat will enhance the appearance of the stain and add significantly to the life of the treatment. All stained surfaces to receive traffic or wear should be top coated with a clear coat. Stone Stain clear color base may be used for a lower gloss finish on vertical and low traffic areas. R-Crete Hard Top HT-1 is recommended for a high gloss appearance and heavy traffic areas. Hard Top HT-1 meets the hot tire testing and is recommended for driveways and garage floors. Multiple coats are always recommended over 1 thick application. Skid resistance is best achieved by broadcasting R-Crete Clear Tex into the clear top coats. **Check to make sure the finished surface has adequate slip resistance for the application.**

MAINTENANCE: Stone Stain, as do most decorative surfaces, require maintenance to keep their attractive appearance. If they are regularly cleaned and clear coated they will provide years of service. Stone Stain surfaces should be cleaned with soap and water. Avoid cleaners such as 409 or similar products. Cam Stain will adhere to itself and may be re-coated or touched up. Clear, protective top coats should be reapplied periodically as needed. The time period between re-coating can vary dramatically depending on the wear conditions.

Removal of the stain can be done using high strength strippers. Check individual products for their effectiveness. Although R-Crete Hard Top-HT 1 and Stone Stain-Clear offer good chemical resistance, all chemicals should be removed from the surface as soon as possible.

PACKAGING: Stone Stains are available in 1 quart, 1 gallon and 5 gallon containers. Color packs are also available and packaged to provide color for 1 gallon of clear. Stone Stain clear top coat is available in 1 gallon and 5 gallon containers.

STORAGE AND HANDLING: Store in a cool dry area out of direct sunlight. Protect from freezing. Although Stone Stain is water based it does contain chemicals which should not come in contact with the skin and eyes. Always wear protective goggles and gloves when handling chemicals. Read Material Safety Data Sheet prior to application.

LIMITATIONS:

- Do not allow to freeze or use in freezing conditions.
- Do not use in extreme heat.
- Proper substrate preparation required.
- Color uniformity may vary.
- Colors must be thoroughly dispersed.
- Must allow 3-7 days prior to heavy traffic.
- Do not apply when temperatures are below 50EF prior to cure.
- Not recommended for heavy vehicle traffic.

WARRANTY: R-Crete Inc. warrants all Stone Stain to be free from manufacturing defects. Since the soundness of the substrate, surface preparation or application method are beyond the control of R-Crete Inc., it cannot assume any risk or liability for results obtained when not used in strict accordance with our specifications and written directions. R-Crete Inc. assumes no liability for color uniformity other than to provide a consistent product from the manufacturing facility that meets industry standards for allowable tolerances. Variations in color due to substrate, weather, application techniques and any means other than manufacturing defects are the responsibility of the purchaser. The warranty excludes normal wear and fade for the area of application. If the product proves to be defective the only obligation of R-Crete Inc. will be to replace the defective material. R-Crete Inc. assumes no liability for any labor or replacement costs of any kind. The purchaser shall assume all responsibility for use of the product for their intended purpose.

R-CRETE INC.

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