

CSI Stain Pretreatment and Concrete Cleaner



Technical Data Sheet 20.0509DS

Helix Color Systems is a premier line of specialty decorative concrete admixtures manufactured by ChemSystems Inc. Helix Color Systems is manufactured for the discriminating installer or designer who values service and quality. Specializing in custom colors, specialty products, and superior service, Helix Color Systems offers an innovative alternative in the decorative concrete industry.

Description

CSI Stain Pretreatment and Concrete Cleaner is a detergent modified weak mineral acid concentrate used to clean mineral deposits from concrete, as well as prepare concrete substrates for staining with CSI ChromaStain* and CSI Concrete Dye*.

Product Benefits

- CSI Stain Pretreatment and Concrete Cleaner will remove some minerals (mineral scale and efflorescence) from surface as well as clean concrete surface.
- This solvent is especially useful for preparation of concrete prior to application of CSI Solvent Sealers*.
- With proper dilution and application, CSI Stain Pretreatment and Concrete Cleaner will not change the color or damage the concrete.
- Applied to concrete prior to staining, CSI Stain Pretreatment and Concrete Cleaner may help enhance the colors and effects of CSI ChromaStain* and CSI Concrete Dye*.

Pre-Application

1. Dilution Ratios – CSI Stain Pretreatment and Concrete Cleaner is a concentrate and must be diluted. One part to 20 parts water: 6 ounces to one gallon of water or one quart per five gallons of water.

2. Before using, test CSI Stain Pretreatment and Concrete Cleaner in an inconspicuous area to ensure compatibility. For any questions regarding compatibility with existing surface, consult ChemSystems, Inc.

Application to Concrete

1. Apply with an acid-proofed, all plastic, low-volume pump-up sprayer, allowing 5-10 minutes “dwell” time. When used to prepare concrete surfaces prior to acid staining with CSI ChromaStain*, skip steps 2 and 3.

2. Follow with pressure washing. To increase cleaning efficiently, scrub with a Nylo-grit brush before pressure washing.

3. Rinse thoroughly and let dry.

4. When used to prepare concrete surfaces prior to staining with CSI ChromaStain*, it is not necessary to pressure wash surface. Apply CSI ChromaStain* directly to treated surface, and follow CSI ChromaStain* application guidelines.

Shelf Life and Storage

CSI Stain Pretreatment and Concrete Cleaner has a shelf life of one year. Store indoors, away from heat and direct sunlight. Do not allow to freeze.

Coverage Rate and Drying Times

Coverage rates may vary depending on surface porosity, texture, age and condition of the concrete, the application method, and other local conditions.

- Material usage is approximately 4,000 square feet per gallon.

Package Sizes

CSI Stain Pretreatment and Concrete Cleaner is available in 1- and 5-gallon units.

Applicable Standards

CSI Stain Pretreatment and Concrete Cleaner complies with ASTM D3209-82 for freeze/thaw stability for a minimum of three cycles.

Technical Data

Please refer to the corresponding MSDS for hazard-related information.

Color/Odor	Red/Mild
Detergent Type	Nonionic
Solubility in Water	100% for hard, soft or deionized water
pH	0.5 ± 0.2
Surface Tension	29 dynes per cm at dilution of two oz./gal.
Specific Gravity	1.3 (H ₂ O=1)
Density	11 pounds per gallon
Flash Point	None
VOC Content	Less than 1%
Biodegradable	Yes

Product Handling

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using product.

Warranty

CSI Stain Pretreatment and Concrete Cleaner, a proprietary product, is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from use of this product. If you have any questions, please contact ChemSystems, Inc.



*For complete information on all CSI products—including product information catalogs, product brochures, color charts, technical specifications, sales aids and more—contact ChemSystems, Inc.

© 2009 ChemSystems, Inc.