

CSI Release Powder

Technical Data Sheet 3.0509DS



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 Release Powder is designed for use with imprinting tools and engineered for use on all concrete surfaces that are to receive texture; including color hardened concrete, integral colored concrete, gray concrete and stampable overlay. This product allows for the clean release of texturing tools from the concrete surface, and at the same time, creates highlighting color (also called an antiquing effect).

Product Benefits

- CSI Release Powder—dry-mix formulated powders and color pigments—are designed for the clean release of mat-type texturing tools.
- These products add color-embedded variation to the textured surface, providing highlighting and antiquing effects that closely resemble natural material.
- CSI Release Powder is available in many standard colors. See CSI Standard Color Selection Guide. Custom colors are also available, please contact customer service for information and a price quote.

Application

1. The surface is ready for release once concrete reaches the point when no bleed water remains on the surface and when concrete is sufficiently firm to withstand texturing tools and the weight of a work crew. CSI Release Powder should be evenly hand-broadcast over the entire surface of freshly placed concrete. An alternative application method is to spread CSI Release Powder with a 3/4 inch nap roller in order to achieve light, uniform coverage.
2. CSI Release Powder should remain in a dry state on the concrete surface—the product should not be worked into the surface. Care should be taken not to trowel the powder into the wet concrete. Troweling powdered release into the surface will result in permanent discoloration.
3. CSI Release Powder may be removed as soon as the concrete has hardened to the point that it will not scratch or mar easily (normally two to three days). A three step process for removal is recommend. 1. Dry sweep excess powder from the surface. 2. Lightly scrub the surface with soap and water to removed desired amount of release powder. 3. Rinse with clean water from a hose or power washer (> 1000 psi).

Curing and Sealing Concrete

1. For curing concrete treated with CSI Release Powder, new, nonwrinkled, nonstaining, reinforced, kraft-curing paper should be used.
2. After release has been washed from the surface and once concrete has dried to a uniform color, sealing the concrete may take place. For sealing concrete, choose from a variety of CSI sealers appropriate to project requirements.

Surface Protection and Maintenance

It is highly recommended to develop and follow a routine maintenance schedule for all colored concrete so that it maintains a top-quality appearance. Colored concrete installations should be routinely inspected, cleaned and resealed as local conditions demand. Cleaning and resealing schedules will depend on a number of factors including, but not limited to, volume and intensity of traffic, maintenance procedures and weather.

Limitations and Precautions

- Inconsistencies in job site conditions, finishing practices, timing of imprinting, and curing methods may produce variations in the color of the finished product.
- CSI Release Powder may be used on vertical faces of step risers and curbs.
- A NIOSH/MSHA dust respirator and goggles should be worn.

Shelf Life and Storage

CSI Release Powder should be kept away from moisture. Shelf life is 2 years.

Coverage Rate and Drying Times

Coverage rates may vary depending on color choice, application method, concrete surface finish, wind conditions, and other local conditions.

- *All Colors* – 800-1,000 square feet per 30-pound pail.

Package Sizes

CSI Release Powder is available in 30-pound pails or bags. Custom packaging is available.

Technical Data

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

Product Handling

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

Warranty

CSI Release Powder, 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.

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