

CSI Shop Seal

Technical Data Sheet 40.0909DS



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 Shop Seal is formulated to permanently seal and protect Portland cement-based materials by penetrating deep into and filling the pores of the concrete to help retard water, oils, soils and other materials that can stain or discolor the surface, without affecting slip resistance and safety underfoot. CSI Shop Seal helps dustproof concrete, allowing for fast, easy sweeping and cleaning, decreasing maintenance and cleaning costs, while increasing appearance and safety. CSI Shop Seal may be applied to horizontal or vertical cement and concrete surfaces. Do not allow CSI Shop Seal to dry on aluminum, soft metals, or glass, as etching may occur; keep off of personal jewelry, watches, etc.

Product Benefits

CSI Shop Seal is ideal for use on concrete:

- vehicle repair shop floors
- driveways, patios and decks
- walls, blocks and similar surfaces
- streets, highways and bridges
- any concrete surface that requires dustproofing or better resistance to water or oils.
- warehouse and plant floors
- parking garages
- sidewalks
- swimming pool decks

CSI Shop Seal improves cement by:

- helping retard oil spills and stains
- increasing abrasion resistance
- increasing resistance to moisture vapor transmission
- sealing the concrete without affecting slip resistance
- improving the curing of new concrete, decreasing shrinkage and curling of slabs
- densifying and strengthening
- dustproofing the surface

Pre-Application

NOTE: CSI Shop Seal must penetrate into the concrete for successful sealing from within, therefore, surface to be sealed must be free of coatings, sealers, curing compounds, waxes, oils or other foreign materials.

1. Both the surface and CSI Shop Seal must be above freezing temperatures before, during and at least one day after application. If CSI Shop Seal freezes, warm slowly to room temperature and stir well before use.
2. Sweep the floor thoroughly. Using an automatic floor scrubber or clean wet mop, apply a solution of 8 parts water and 1 part concrete cleaner to the floor. Scrub the floor using a standard speed floor buffer or automatic scrubber equipped with Nylogrit strip brushes or strip pads.
3. After the floor is scrubbed, pick up the solution residue with a wet vacuum or autoscubber, then rinse thoroughly with large amounts of clean, warm water, vacuum again, then tight mop with fresh, clean, warm water. Allow the floor to dry before application.
4. Protect adjacent areas from overspray, especially glass, metal, ceramics, glazed tile and wood. Protect or remove personal items such as watches, jewelry, etc.

Application

1. CSI Shop Seal may be applied with a sprayer (airless, low pressure, or pump); mop, roller, microfiber or lambswool applicator. It is best to apply CSI Shop Seal in light coats, with two coats applied at a coverage rate of 200 to 500 square feet per gallon per coat, depending on the porosity of the surface.
2. Do not allow the CSI Shop Seal to puddle or run; use a soft broom, mop or lambswool applicator to smooth out any puddles.
3. Apply the first coat, then allow it to soak in for at least 10 to 15 minutes - do NOT allow CSI Shop Seal to dry while it is penetrating into the concrete, as this will result in an unsightly white residue which will be difficult to remove.

4. If CSI Shop Seal does dry and leave a white residue on the surface, immediately scrub with a buffer equipped with a stripping pad, brush or abrasive disk. After the CSI Shop Seal has penetrated for at least 10 to 15 minutes, pick up any excess material with an autoscubber or clean mop, then lightly spray the area with clean water to insure proper penetration of the CSI Shop Seal into the concrete, as well as to insure that no CSI Shop Seal dries on the surface.

5. The second and subsequent coats (if necessary) should be applied as soon as the water sprayed on the previous coat is dry to the touch (approx. 15 to 30 minutes).

6. After the CSI Shop Seal has penetrated for at least 10 to 15 minutes, pick up any excess material with an autoscubber or clean mop, then lightly spray the area with clean water to insure proper penetration of the CSI Shop Seal into the concrete, as well as to insure that no CSI Shop Seal dries on the surface.

7. For best results, a minimum of two coats is recommended. The floor should dry with a light sheen or natural in appearance, and then may be opened to traffic.

Surface Protection and Maintenance

Sweep floor regularly. Wet mop or scrub floor as needed using a solution of concrete cleaner and warm water.

Coverage Rates and Drying Times

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

- 500 to 600 sq. ft. per gallon per coat (Approx., depending on porosity of surface)

Drying times will vary depending on surface permeability, temperature, humidity and local conditions. When drying, do not cover surface with anything non-permeable for a minimum of 24 hours.

- 15 to 30 minutes at 68° F., 50% RH

Package Sizes

CSI Shop Seal is available in 1-gallon jugs, 5-gallon pails and 55-gallon drums.

Technical Data

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

Color	Clear	Odor	None
pH	11.8 + 0.2	Specific Gravity.....	1.13
Viscosity.....	Less than 25 cps.		
Density.....	9.4 pounds per gallon		
Flash Point.....	None (C.O.C. Method)		
VOC Content.....	None (0 grams per liter)		

Product Handling

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

Warranty

CSI Shop Seal, 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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