

# CSI Floor Finish + (Gloss or Satin)



## Technical Data Sheet



*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 Floor Finish + Gloss**, a water-based product, is a high-solids, **high gloss** finish to be used over interior applications of CSI solvent-based and CSI water-based sealers.

**CSI Floor Finish + Satin**, a water-based product, is a high-solids, **matte** finish to be used over interior applications of CSI solvent-based and CSI water-based sealers.

### Product Benefits

- This product can be used over water-based and solvent-based sealers.
- CSI Floor Finish + is an excellent product for finishing interior sealed, concrete surfaces.
- Because of the high-solids content of this product, a porous floor will require fewer coats of floor polish, which reduces the cost associated with maintenance.

### Pre-Application

1. Before applying CSI Floor Finish +, assure that the base sealer is completely cured. Refer to the installation guidelines for cure times relating to the specific sealer that was applied.
2. Before using CSI Floor Finish +, your surface must be cleaned, rinsed and allowed to completely dry.
3. If existing sealer or finish is discolored or worn, remove before applying CSI Floor Finish +.
4. Before applying, test CSI Floor Finish + in an inconspicuous area to ensure compatibility. If in doubt about compatibility with existing surface, consult ChemSystems, Inc.

### Application

- For trowel-finished concrete, Apply CSI Floor Finish + with an automatic scrubber, PADCO t-bar applicator, micro fiber mop, or a #24 rayon "finish mop" (with looped ends) or equivalent applicator from a Distributor, hardware or janitorial supply store.
- For imprinted or textured concrete, a low-volume pump-up sprayer or a roller may be used.
- Pour enough CSI Floor Finish + on the floor to cover a reasonable area. Work the applicator in a push and pull method to evenly spread the floor finish out until it is clear and streak free. Pour more material on the surface and continue working, assuring a wet edge is maintained as you work across the floor.

### Surface Protection and Maintenance

- Although CSI Floor Finish + has a high-solids content, it has a "built-in" removability if stripped with a stripper designed specifically for floor finishes.
- Maintain CSI Floor Finish + by burnishing to a high shine with a high-speed floor machine.
- Maintain CSI Floor Finish + with soap and water cleaning as needed.
- High traffic areas can be spot treated with additional thin coats of floor finish as needed.
- Use floor mats or throw rugs at all entrances and exits. Use rugs under tables and chairs to prevent excess scratching and wear. Frequent dry sweeping and occasional soap and water mopping are considered standard maintenance.

### Limitations and Precautions

Adhesive-backed tape (such as duct tape) left on CSI Floor Finish + over an extended period of time will create a chemical "weld" between the tape and the sealed substrate. If this happens, the sealer may be subject to delamination. Delamination can also occur when plastic or synthetic rubber mats are placed on the surface and left undisturbed over extended periods and when rubber tires on the sealed surface have been exposed to heat.

### Shelf Life and Storage

CSI Floor Finish + has a shelf life of one year. Store product indoors, away from heat and direct sunlight. Do not allow product 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 local conditions.

- **First Coat** – Material usage, for the first coat, is 800-1,000 square feet per gallon over smooth-troweled concrete.
- **Subsequent Coats** – Material usage, for subsequent coats, is approximately 1,800 square feet per gallon.

**Drying times** will vary depending on surface porosity, temperature, humidity and local conditions.

- **Set to Touch** – Surface can be touched approximately 30 minutes after application if temperatures are at or above 68 °F.

### Package Sizes

CSI Floor Finish + is available in 1- and 5-gallon units.

### Applicable Standards

CSI Floor Finish + complies with the following regulations and requirements:

- ASTM D2047 – Exceeds the coefficient of friction safety standards for slip resistance
- ASTM D2801 for leveling
- ASTM D2048-82 for powdering resistance
- ASTM D3153-78 for recoatability

### Technical Data

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

#### CSI Floor Finish + Gloss

Color.....	Milk-white; stable emulsion dries clear
Odor .....	Slight, sweet
pH .....	8.0±0.1
Surface Tension.....	29 dynes per centimeter
Solids.....	25%
Flash Point.....	None

#### CSI Floor Finish + Satin

Color .....	Milk-white; stable emulsion dries clear
Odor .....	Slight, sweet
pH.....	8.0±0.1
Surface Tension.....	29 dynes per centimeter
Solids.....	19%
Flash Point.....	None

### Product Handling

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

### Warranty

CSI Floor Finish +, 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.



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\*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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