

# Spray Deck Overlay

## 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

Spray Deck is a high strength polymer modified cement based overlay designed to be spray applied and knocked down providing a durable and colorful slip resistant architectural coating. Spray deck is an easy to use just add water system. It is available in a white base, or can be colored to any of the existing 28 standard colors on site using tint packs. When applied to a properly prepared substrate, Spray Deck provides a long lasting topping that is cool under foot and easy to clean. It can be sealed with most Helix sealers, clear or tinted.

### Product Benefits

- Durable and strong slip resistant finish
- Available in 28 standard colors
- Low VOC water based system
- Fast drying formulation allows for rapid return to service, usually within 12 - 24 hours.
- Excellent slip resistance in both dry and wet conditions.
- Excellent colorfastness with superior chemical, abrasion and impact resistance for interior and exterior, horizontal and vertical applications.
- Capable of achieving patterns and designs using stencils and tape

### Application

**1.** Surface preparation is critical for proper adhesion and performance. The surface must be clean and free of any contamination. ChemSystems, Inc. utilizes the International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying Helix Spray Deck. For proper adhesion, the concrete must be a minimum #2 according to the ICRI CSP chart. Contact the ICRI at [www.ICRI.org](http://www.ICRI.org) or ChemSystems, Inc. for more information on these surface profiles.

**2.** Prime the prepared surface with Helix Concrete Bonder diluted 1:1, or Helix Epoxy Primer. Work the primer into the surface with a roller or soft broom or brush. Apply primer as you work. Do not allow the primer to dry. Consult the Helix Concrete Bonder or Epoxy Primer Technical Data Sheet for further product information.

**3.** Add 4 to 6 quarts of cool clean water to a 5 gallon pail. Slowly add 1 - 50 lb. bag of Helix Spray Deck while mixing with mechanical mixer. For added strength and water resistance add 6 to 12 fluid oz. of Helix Concrete Bonder polymer per bag of Helix Spray Deck.

**4.** Mix for 1 - 2 minutes until a consistent and smooth "milky" texture is achieved.

**5.** Helix Spray Deck is designed to be applied as a 2 coat system - base coat and texture coat - using the same material.

**6.** Assure the surface is properly primed. Apply the base coat with a squeegee, hopper gun or trowel. Apply the material evenly to achieve consistent and uniform coverage. Texture will vary based on how the material is applied and finished.

**7.** Allow the base coat to dry to the touch (1 - 2 hours depending on temperature, wind, sun and humidity) before proceeding to the texture coat. Scrape and remove any trowel marks or material ridges once the base coat is dry.

**8.** Apply the texture coat with a hopper gun or dash brush. Apply the texture coat in even coats being sure to overlap avoiding any dead spots. A second light texture coat can be applied once the first coat has lost its water glaze if a heavy texture is desired.

**9.** Begin to trowel as the water glaze disappears from the surface. Trowel with a light hand to create the desired depth of knock-down texture. Make a second pass with a flat trowel to knock down any high spots.

**10.** Allow 24 hours for full cure. Protect from rain or contamination with plastic if necessary.

**11.** Apply a clear or tinted sealer for maximum protection. We recommend Helix Cemseal, High Gloss, Permaseal, Solvent Seal 18 or Solvent Seal 27 depending on level of gloss and performance desired.

### Coverage Rate and Drying Times

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

#### 1 - 50 lb bag

**Base Coat** 150 - 200 sqft.

**Texture Coat** 250 - 275 sqft.

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

- Set to Touch : 30 min to 1 hour
- Recoat: 1 - 2 hours
- Fully Cured 24 hours

#### • Package Sizes

Helix Spray Deck is packaged in 50 lb. bags

### Shelf Life and Storage

Spray Deck has a shelf life of 6 months if stored in an unopened container. Store product indoors, away from heat and direct sunlight. Do not allow product to freeze or dry out.

### Product Handling

For additional product safety and handling guidelines, consult the corresponding Material Safety Data Sheet before using product.

## Warranty

Spray Deck 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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