

# Protective Coatings

Section 09900 or 09 97 23  
Horizontal Surfaces

SUPER COLOR STAIN HR

## **PART I: GENERAL**

### **1.01 DESCRIPTION**

Provide labor, materials, equipment and supervision necessary to complete the application of product to existing substrate.

### **1.02 QUALITY ASSURANCE**

Products shall be installed by a trained applicator with a minimum of five years experience and meet the requirements of the specifier.

### **1.03 SUBMITTALS**

- A. Manufacturer's current product data bulletin.
- B. The trained applicator shall prepare a test panel of the repair installed on the actual structure as a submittal for approval of proper application and adhesion.
- C. The trained applicator shall submit to the specifier a list of five projects that he has completed within the last five years, exhibiting the applicator's skills. The list shall include project name, location, and description of work and completion date.

### **1.04 PRODUCT DELIVERY, STORAGE & HANDLING**

- A. Deliver all products and all accessories in original labeled, sealed, and undamaged containers or bundles.
- B. Store all products in accordance with manufacturer's printed instructions.
- C. Handle products in accordance with manufacturer's printed instructions.

### **1.05 JOB CONDITIONS**

All products shall be applied at substrate and ambient temperatures of 45°F or above. A minimum temperature of 45°F shall be maintained 24 hours after completion of work. Protect products from weather and other damage for a period of 24 hours after installation. Do not apply products to frozen surfaces.

### **1.06 COORDINATION & SCHEDULING**

The work requires close coordination with related sections and trades.

## **PART II: PRODUCTS**

### **2.01 MANUFACTURERS**

The following manufacturers are approved for the project.

Conproco Corporation

## 2.02 MATERIALS

- A. Super Color Stain HR - a single component, water-based acrylic opaque stain for horizontal concrete and masonry.
- B. Color: \_\_\_\_\_

## 2.03 PERFORMANCE CHARACTERISTICS

General Physical Properties: The products shall meet or exceed the following performance standards:

Physical state and appearance		Liquid emulsion – thin – paint-like
Base		Aqueous
Polymer		Acrylic
pH		8.7
Percent solids by weight		35%
Percent solids by volume		31%
Viscosity	ASTM D562	81 KU – paint paddle
Volatile organic content – VOC	ASTM D3960	Less than 0.32 lbs./gal. – 38 gms./liter
Density of liquid coatings	ASTM D1475	9.64 lbs./gal.
Drying time		2 hours @ 65°F – dry to touch
Water vapor transmission	ASTM E96	12 perms – 1 coat @ 5 mils. wet
Fungus resistance	Fed. Spec. TT-P-19D	Pass – no growth
Accelerated weathering – QUV	ASTM G154	2000 hours – UV-B cycled with condensation - no effect
Hiding power of coating	ASTM D2805	Excellent
Wind driven rain	Fed. Spec TT-C-555B	No leakage @ 62 pmh – 2 coats
Resistance to abrasion – tabor	ASTM C1353	250 cycles – 2.8% loss – H22 wheel with 500 gms.
Freeze/thaw stability	ASTM C932	Pass
Heat stability	ASTM C932	Pass – 2 weeks @ 120°F
Dirt pick-up	ASTM D3719	Excellent
Mud cracking @ 15 mils.		None

## **PART III: EXECUTION**

### 3.01 GENERAL

- A. Installation shall be performed strictly in accordance with manufacturer’s current product data bulletin.
- B. Examine substrates and conditions under which materials will be installed. Do not proceed with installation until unsatisfactory conditions are corrected.
- C. Coordinate installation with adjacent work to ensure proper sequence of construction. Protect adjacent areas and landscaping from contact due to mixing, handling, and application of materials.

### 3.02 SURFACE PREPARATION

- A. Prior to application of the product, inspect the substrate for proper cleaning and treatment of structural cracks, texture differences, damage, etc. Work shall not proceed until unsatisfactory conditions are corrected.
- B. Remove loose and deteriorated material, laitance, dirt, dust, oil and any contaminants that will inhibit proper adhesion.
- C. Prepare surface to be a sandpaper-like texture by mechanical abrasion or water blasting.
- D. Surface must be dry and frost free.

### **3.03 PRIMING**

Use Conpro Point 5 on chalky concrete surfaces.

### **3.04 MIXING**

- A. Stir or mechanically mix using a low speed drill (400 – 600) until homogenous.
- B. Mix pails from different batches when an entire surface is visible.

### **3.05 APPLICATION**

- A. Follow manufacturer's instructions for application and coverage.
- B. Apply with brush, sprayer or roller in an even coat to achieve desired appearance.
- C. Work to predetermined areas to prevent keeping a wet edge.
- D. A second coat may be applied when the first application is dry to touch.
- E. Temperature of the substrate and atmosphere must be 40°F or above during application and for full curing cycle.

### **3.06 CURING**

Protect from moisture for 24 hours.

### **3.07 JOB SITE CLEANUP**

- A. Material left over at the job site by the approved applicator shall be removed.
- B. All adjacent surfaces and materials shall be cleaned.
- C. Cured material must be removed mechanically.

\*\*\*\*\*END OF SECTION\*\*\*\*\*



17 PRODUCTION DRIVE, DOVER, NEW HAMPSHIRE 03820  
TELEPHONE 800.258.3500 FAX 603.743.5744 WEB ADDRESS [www.conproco.com](http://www.conproco.com)