

Super Color Stain

Division 9: Finishes

Water-based opaque acrylic stain for horizontal and vertical concrete and masonry.

SECTION 099113 – EXTERIOR PAINTING

PART 1 GENERAL

1.1 SUMMARY

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

1.2 SYSTEM DESCRIPTION

The products shall meet or exceed the following performance requirements:

Base		Aqueous
Polymer		Acrylic
pH		8.7
Percent solids by weight		35 percent
Percent solids by volume		31 percent
Viscosity	ASTM D562	81 KU – paint paddle
Volatile organic content – VOC	ASTM D3960	Less than 0.32 pounds per gallon 38 grams per liter
Density of liquid coatings	ASTM D1475	9.64 pounds per gallon
Water vapor transmission	ASTM E96	12 perms – 1 coat at 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
Resistance to chemicals	ASTM C1308	Dried ketchup/Dried coffee/Dried soda – excellent Gas/Motor oil - excellent
Wind driven rain	Fed. Spec TT-C-555B	No leakage at 62 miles per hour – 2 coats
Water penetration and leakage	ASTM E514	100 percent reduction – 2 coats
Resistance to abrasion – tabor	ASTM C1353	250 cycles – 2.8 percent loss – H22 wheel with 500 grams
Freeze/thaw stability	ASTM C932	Pass
Heat stability	ASTM C932	Pass – 2 weeks at 120 degrees F
Dirt pick-up	ASTM D3719	Excellent
Mud cracking at 15 mils.		None

1.3 SUBMITTALS

- A. Manufacturer's current product data bulletin.
- B. The trained applicator shall prepare a test area on the structure as a submittal for approval of proper application and adhesion.

- C. The trained applicator will conduct ASTM D3359 cross-hatch adhesion testing to verify adhesion prior to application.
- D. 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.

1.4 QUALITY ASSURANCE

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

1.5 DELIVERY, STORAGE & HANDLING

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

1.6 PROJECT/SITE CONDITIONS

All products shall be applied at substrate and ambient temperatures of 45 degrees F or above. A minimum temperature of 45 degrees 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.

1.7 SCHEDULING

The work requires close coordination with related sections and trades.

PART 2 PRODUCTS

2.1 MANUFACTURERS

The following manufacturers are approved for the project.
Conproco

2.2 MATERIALS

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

PART 3 EXECUTION

3.1 EXAMINATION

- 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.

3.2 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 (Concrete Surface Profile 3) by mechanical abrasion or water blasting.
- D. Surface must be dry and frost free.
- E. Repair large voids and damaged areas with Conproco's Conpro Set.
- F. For cracks greater than 1/16 of an inch, rout and caulk with a specifier approved urethane sealant.

3.3 APPLICATION

A. Priming

Use Conproco's Conpro Point 5 on chalky concrete surfaces.

B. Mixing

1. Stir or mechanically mix using a low speed drill (400 to 600) until homogenous.
2. Mix pails from different batches when an entire surface is visible.

C. Application

1. If applying by roller, use 3/8 to 1/2 inch synthetic roller in an even coat.
2. If applying by sprayer, use 0.019-0.021 tip with airless sprayer.
3. Work to predetermined areas to prevent keeping a wet edge.
4. A second coat may be applied when the first application is dry to touch.
5. Temperature of the substrate and atmosphere must be 45 degrees F or above during application and for full curing cycle.

D. Curing

Protect from moisture for 24 hours.

3.4 CLEANING

- 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 099113