

Protective Coatings

Section 09800 or 09 97 23 Acrylic Coating for Vertical Masonry and Concrete

COLOR COAT

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. Color Coat: A 100% acrylic color coating formulated to protect vertical concrete and masonry surfaces.

B. Color: _____

Texture: _____

2.03 PERFORMANCE CHARACTERISTICS

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

Physical state and appearance		Paint-like liquid
Base		Aqueous
Polymer		100% acrylic
pH		9.0 – 9.5
Percent solids by weight		54%
Viscosity	ASTM D562	90 KU – paint paddle
Density of liquid coatings	ASTM D1475	8.4 lbs./gal.
Water vapor transmission	ASTM E96	10 perms
Accelerated weathering – QUV	ASTM G154	10,000 hours – UV-B cycled with condensation - no effect
Hiding power of coating	ASTM D2805	Excellent – minimum thickness is 8 mils. WFT

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 crack, texture differences, damage, etc. Work shall not proceed until unsatisfactory conditions are corrected.
- B. Surfaces must be clean, sound, free from any loose paint, chalk, rust, grease, dirt, laitance, efflorescence, mortar droppings, mold, mildew or other such foreign materials. Surface may be cleaned by mechanical or chemical methods that will not inhibit bond of coatings and sealants to substrate. Allow substrate to dry completely before proceeding.
- C. Remove and replace all defective or existing sealants and control joints. Sealant shall be approved by the specifier. Work shall not proceed until inspected.

3.03 MIXING

Mix with low-speed mixer until homogeneous. Do not use high-speed mixer or over mix.

3.04 APPLICATION

- A. Apply Color Coat by brush, roller or spray (Graco 3500) at a rate of 8 mils wet per coat.

- B. Locate and identify all cracks. Static hairline cracks can be cleaned and detailed with a prestripe of Color Coat. Cracks greater than 1/4" x 1/4" (6mm X 6mm) shall be treated as a standard sealant joint detail in accordance to industry standards.
- C. Areas such as fringes, edges and borders should first be cut in with a brush as needed. Apply a uniform coat over the entire surface to a minimum thickness of 8 mils wet.
- D. Temperature of the substrate and atmosphere must be 40°F or above for full cure period. Do not apply to frozen surfaces.
- E. A test sample of the material is always recommended to determine coverage rate and adhesion. Test adhesion after the coating has cured for 24 hours by using a knife to cut a cross hatch pattern (#). Use the tip of the knife to pull the edge of the coating from the substrate. If the coating comes off over half of the squares the adhesion is not adequate. If the adhesion is not adequate apply Point 5 (see data sheet) to a new area and then reapply the coating.

3.05 CURING

Protect from moisture for 24 hours and wind driven rain for 72 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*****



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