

# Protective Coatings

Section 09830 or 09 96 53  
Elastomeric Coating

CONPRO LASTIC

## **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. Conpro Lastic: A waterproof elastomeric crack bridging, anti-carbonation membrane for vertical exterior surfaces.

B. Color: \_\_\_\_\_

Texture: \_\_\_\_\_

## 2.03 PERFORMANCE CHARACTERISTICS

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

Grade		Smooth	Sanded
Physical State and Appearance		Liquid-tinted-thick paint	Liquid-tinted-thick paint
Base		Aqueous	Aqueous
Polymer		100% acrylic	100% acrylic
pH		9.5-10.5	9.5-10.5
Percent solids by weight		54%	62%
Percent solids by volume	ASTM D2698	46%	-
Viscosity	ASTM D562	<142 KU	<142KU
Flame spread	ASTM E84	Zero	Zero
Density of liquid coatings	ASTM D1475	10.6 lbs/gal	11.2 lbs/gal
Tear Resistance	ASTM D6083	80 lbs/inch	28 lbs/inch
Moisture vapor transmission Method B wet cup	ASTM D1653	16.2 perms@15 mils DFT	39 perms@15 mils DFT
Accelerated weathering- QUV	ASTM G154	2000 hours- UV-B cycled with condensation-no effect	Same data as for smooth
Resistance to chemicals	ASTM D1308	Excellent	Excellent
Water penetration and leakage	ASTM E514	100% reduction	100% reduction
Wind driven rain	Fed. Spec TT-C-555B	Pass	Pass
Wind driven rain	ASTM D6904	Pass	-
Dirt Pick-up	ASTM D3719	Excellent	Excellent
Low temperature flexibility	ASTM D522	Pass	Pass
Low temperature flexibility after 1000 hrs	ASTM D522	Pass	Pass
Tensile	ASTM D412	270 psi	-
Elongation	ASTM D412	485%	-
Crack Bridging	ASTM C1305	No Cracking	-

## 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. Surfaces must be clean, sound and 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. Locate and identify all cracks. Static hairline cracks can be cleaned and detailed with a pre-stripe of Conpro Lastic. 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.
- D. 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 with a heavy nap roller (1 1/4" synthetic nap roller) or a commercial airless paint sprayer (Graco 3500, President or Bulldog with a 0.041 – 0.047 tip with smooth texture). If rolled, use a roller screen to provide an even amount of Lastic on the roller.
- B. Apply to a minimum of 15 mils. Wet thickness per coat to achieve a continuous pinhole-free membrane. Backroll material to eliminate pinholes, if necessary.
- C. The Conpro Lastic shall be applied in one continuous operation, maintaining a wet edge. Terminate coats at a natural break such as an outside or inside corner if one continuous coat is not possible.
- D. Sufficient manpower, scaffolding and equipment shall be provided to ensure a continuous and uniform application.
- E. Protect until fully cured from airborne contamination, (dirt, dust, soot, etc.) weather and other damage.
- F. 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 crosshatch 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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