

Exterior Wall Systems

Section 09800 or 09 97 23
Synthetic Stucco

CONPRO FLEX

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 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 Flex: A 100% acrylic based synthetic stucco available in a complete range of colors and textures. Formulated for exterior and interior use. Durable, colorfast, freeze/thaw stable and UV resistant.
- B. Color: _____
Texture: _____

2.03 PERFORMANCE CHARACTERISTICS

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

Physical state and appearance		Course – pigmented base
Base		Aqueous
Polymer		100% acrylic
pH		9.0 – 9.5 approx.
Aggregate		Iron-free – white quartz sand
Flame spread	ASTM E84	Flame spread – 5
Density of liquid coatings	ASTM D1475	10.5 lbs./gal.
Water vapor transmission	ASTM E96	7 perms
Accelerated weathering – QUV	ASTM G154	2000 hours – UV-B cycled with condensation - no effect
Resistance to abrasion – sand	ASTM D968	Pass
Mildew resistance	Mil. Std. 810D	Pass
Humidity exposure	FS 141 A Method - 6201	Pass – 62 mph

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. Remove loose and deteriorated material, laitance, dirt, dust, oil and any surface contaminants that will inhibit proper adhesion.
- B. Surface must be smooth to prevent irregularities from telegraphing through the finish.
- C. Surface must be dry and frost free.
- D. Small voids, air pockets, static cracks up to 1/16 inch and irregularities should be filled with base material.
- E. For cracks greater than 1/16 inch, rout and caulk with a urethane sealant. Refer to SWRI Sealants “The Professionals’ Guide”.

3.03 MIXING

- A. Stir or mechanically mix using a low speed drill (400-600) until homogenous.

- B. A maximum of 8 ounces of potable water per 70 lbs. pail may be added to aid workability.
- C. Mix pails from different batches when an entire surface is visible.

3.04 APPLICATION

- A. Apply with a stainless steel trowel. Pull material tight down to the largest aggregate of the finish, but avoid over troweling.
- B. Always apply in one direction and work from a natural break to a natural break in one pass, maintaining a wet edge to avoid developing a cold joint (A natural break would be an inside or outside corner, aesthetic joint, control joint, etc.).
- C. Float in a circular motion using a plastic float 2-10 minutes after troweling on wall to achieve texture. Do not overwork with float and remain consistent with finishing technique.
- D. Conpro Flex can be spray-applied using a hopper gun or textured spray pump. Contact Conproco's Technical Department for information.
- 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 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 Conproco Point 5 bonding primer 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.

Temperature of the substrate and atmosphere must be 45°F or above for full cure period.

3.06 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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