

Conpro Flex

Division 7: Thermal and Moisture Protection

Trowel applied, 100% acrylic based synthetic stucco available in 3 textures.

SECTION 072413 – POLYMER-BASED EXTERIOR INSULATION AND FINISH SYSTEM

PART 1 GENERAL

1.1 SUMMARY

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

1.2 SYSTEM DESCRIPTION

The products shall meet or exceed the following performance requirements:

Base		Aqueous
Polymer		100 percent acrylic
pH		9.0 – 9.5 approximate
Aggregate		Iron-free – white quartz sand
Flame spread	ASTM E84	Flame spread – 5
Density of liquid coatings	ASTM D1475	10.5 pounds per gallon
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

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, color and texture.
- 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.

1.4 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 and all accessories 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. Conpro Flex: A 100 percent 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: _____

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. 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".

3.3 INSTALLATION

- 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 pound pail may be added to aid workability.
- C. Mix pails from different batches when an entire surface is visible.

3.4 APPLICATION

- A. Apply with a stainless steel trowel or flat resin trowel angled at approximately 30 degrees to the substrate. Pull material tight down to the largest aggregate of the finish, but avoid over troweling.
- B. Apply only as much material as can be finished before initial film is formed – approximately 10 minutes at 70 degrees F at 50 percent relative humidity.
- C. 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.). Use a firm, steady, continuous upward motion.
- D. Finish Classique or Contemporary textured material by floating 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. Finish Baroque textured material in a freestyle manner.
- E. Conpro Flex can be spray-applied using a hopper gun or textured spray pump. Contact Conproco's Technical Department for information.
- F. Test the mockup to determine coverage rate and adhesion at 3 locations. Test adhesion after the coating has cured for at least 7 days by using a knife to cut full depth a crosshatch pattern (#) of 8 by 8 squares of 0.25 inches by 0.25 inches. Firmly adhere industry standard duct tape over the entire crosshatched mockup and let tape adhere to coating for at least 10 minutes. Pull duct tape off mockup in uniform motion over 1 to 2 seconds. If the coating comes off over 25 percent of the squares on 1 or more mockups, the adhesion is not adequate. If the adhesion is not adequate, modify coverage rates and preparations to pass adhesion test. If the adhesion is still not adequate apply Conproco Point 5 bonding primer to a new area and then reapply the coating and retest.

3.5 CURING

- A. Protect from moisture for 24 hours and wind driven rain for 72 hours.
- B. Temperature of the substrate and atmosphere must be 45 degrees F or above for full cure period.

3.6 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 072413