

Stone Repair

Section 09800 or 09 97 23
Vertical Surfaces

Terracotta Finish

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 40°F or above. A minimum temperature of 40°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

Terracotta Finish - a spray applied, single component, water based clear sealer. Available in gloss and matte finish.

Finish Type: _____

2.03 PERFORMANCE CHARACTERISTICS

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

Physical state and appearance		
Wet Thick		milky white liquid
Dry Clear		dull or gloss – plastic-like film
Base		Aqueous
Polymer		Carboxylated styrene acrylic
pH		>9.5
Percent solids by weight		53%
Flash point	ASTM D56	150°F Seta cc
Volatile organic content – VOC	ASTM D3960	231 gms./liter of water
Density of liquid coatings	ASTM D1475	8.0 lbs./gal.
Water vapor transmission	ASTM E96	11 perms – 1 coat
Accelerated weathering – QUV	ASTM G154	2000 hours – UV-B cycled with condensation – no effect
Water penetration and leakage	ASTM E514	100% reduction
Freeze/thaw stability	ASTM C932	Pass – 5 cycles @ 15°F
Heat stability	ASTM C932	Pass – 4 weeks @ 120°F
Gloss finish – terracotta tile	ASTM D523	85°F untreated 1.5 – treated 11.0 60°F untreated 1.5 – treated 11.0

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 contaminants that will inhibit proper adhesion.
- B. If acid washing is used to prepare substrate, neutralize with 1 part ammonia to 3 parts water solution flooded over the surface. Residual acid in the substrate will cause *Terracotta Finish* to form a milky film instead of a clear finish. If this occurs, the material must be removed.
- C. Surface must be dry at time of application to allow maximum penetration.
- D. Protect adjacent areas from overspray.

3.03 PRIMING

Priming is not necessary under normal circumstances.

3.04 MIXING

Stir or shake container.

3.05 APPLICATION

- A. Always apply a test area to determine suitability of application.
- B. Brush, roll or spray material onto substrate in a uniform 6 mils. coat.
- C. Brush out ponded material before surrounding area dries
- D. 2 coats are recommended for complete protection.
- E. Allow the first coat to cure 3 - 4 hours @ 72°F; 7 - 8 hours @ 50 - 70°F before applying additional coats.
- F. Each additional coat of Terracotta Gloss Finish will increase the intensity of gloss.

3.06 CURING

Protect from moisture for 24 hours @ 72°F. Material is fully cured in 3 days.

3.07 ON SITE CLEANUP

- A. Material left over at the job site by the approved applicator shall be removed.
- B. Clean tools, equipment and adjacent areas with water before material dries.

*****END OF SECTION*****



17 PRODUCTION DRIVE, DOVER, NEW HAMPSHIRE 03820
TELEPHONE 800.258.3500 FAX 603.743.5744 WEB ADDRESS www.conproco.com