

- E ASTM D 2486 – Finishing Hydrated Lime.
- F ASTM C 206 – Standard Specification for Finishing Hydrated Lime.

B. Portland Cement Association

a. PCA – Portland cement Plaster (Stucco) Manual.

1.04 SUBMITTALS

- A. Certification of compliance of materials with product specifications.**
- B. Manufacturer's written specifications, proportion mixes, and installation instructions for factory-prepared finish materials.
- C. Evidence of applicator's experience including project identification with names of Owner and Architect/Engineer.
- D. Submit samples, at least 8" x 11" for approval prior to commencement of work. Approved sample shall be 24" x 24" available at the job site with final sign off by the architect and/or the owner.

1.05 QUALITY ASSURANCE

- A Installer Qualification: Company specializing in performing work of this Section with a minimum of two (2) years of documented experience. Include list of at least 3 completed projects of similar scope with project names and addresses and contact information of architects, general contractors, and owners.
- B Installer shall extend typical one-year warranty on work performed.

1.06 DELIVERY, STORAGE, AND HANDLING

- A Deliver manufactured materials in original packages or containers, fully identified with manufacturer's labels intact and legible.
- B Inspect materials upon delivery and immediately report to Architect any damaged or defective materials.
- C Store materials in a sheltered area with minimum ambient temperature of 45° F (7° C).

1.07 PROJECT CONDITIONS

- A Environmental Requirements: Do not apply lime plaster when substrate or ambient air temperatures is under 45° F (5° C) or over 86° F (30°C).
- B Maintain these conditions 24 hours before, during and 48 hours after installation of lime plaster.
- C Provide temporary enclosures in areas where work is being performed.
- D Restrict traffic from area where lime plaster has been applied during initial curing,

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A Acceptable Manufacturer: Mediterranean Colors, LLC – 10 Liberty Ship Way – Sausalito – CA – 94965 Phone: 1 877 326 6872 E-mail: info@medcolors.com.
- B Substitutions: To insure the quality is maintained, no substitute should be permitted.

2.02 MATERIALS

- A Scratch / Brown Materials
 - 1. Portland Cement: ASTM C150 Type I
 - 2. Plastic Cement: ASTM C1328 Type M or S.
 - 3. Hydrated lime for finishing purposes: ASTM C206 Type S.
 - 4. Aggregate: ASTM C897.
 - 5. Air Entraining Agent: CMX 20 meeting the requirements of ASTM C260 to add in cement brown coat mix as recommended by Mediterranean Colors, LLC
- B Lime Plaster Finish Materials
 - 1. Binder: eco stucco™ Hydrated Lime Finish Plaster MINERA. Ready-mixed and apply in accordance with manufacturer's instructions.

2.03 MIXES

- A Brown Coat
 - 1. CMX 20 (Air Entraining System): Add 0.5% per volume of Portland cement plaster and as per manufacturer's instructions.
- B Finish Coat
 - 1. Ready-Mixed Lime Plaster Finish: MINERA
 - 2. Water: 1 part of water and 5 parts of MINERA (1 : 5)

2.04 MISCELLANEOUS MATERIALS

- A Mixing Water: Clean, fresh, potable and free of mineral or organic matter.

2.05 EXTERIOR STANDARD SYSTEM

- 1. MINERA: [Polished] [Smooth] [Pitted] [Freestyle] [Sand Float] [Blocks]
- 2. Color: [_____] [As shown on Drawings] [Standard color as selected by Architect] [Custom color as selected by Architect].

PART 3 EXECUTION

3.01 EXAMINATION

- A Verify the suitability of existing conditions before starting work. Do not begin work of this Section until unsatisfactory conditions have been corrected.
- B Verify that substrates are free of dust, loose particles, oil, and other foreign material that could affect bonding.
- C Secure grounds, screeds, corner beads, casing beads, plaster stops, and accessories.

3.02 PREPARATION

- A Protect surrounding areas from potential damage.
- B Saturate substrate with a hose letting water dripping top to bottom one day before finishing. Dampen substrate again before application.
- C Protect adjacent surfaces and items that are not to receive plaster finish, but which cannot be removed, from finish work. Use masking materials that will not damage protected items and surfaces. Leave tape 1/16" from the edge of plaster surface for easy, clean removal.
- D Clean concrete surface of foreign materials. Use pressure wash with hot water.
- E Roughen smooth surfaces.

3.03 INSTALLATION

A. Control and Expansion Joints

- A Installation of accessories: Section 09200 "Metal Laths & Trims".
- B Locate control and expansion joints every 12 feet.
- C Scribe contraction joints every 12 feet in each direction by cutting through 2/3 of the plaster maximum depth, neatly, in straight lines.
- D Install control and expansion joints with specified device.
- E Coordinate joint placement with other related work.

B. Scratch / Brown Coat

1. Number of coats: Provide minimum two coats: cement plaster scratch coat (3/8") and cement plaster brown coat (3/8") application over metal lath.
2. Interrupt any plaster only at junctions of plaster planes, at openings, or at expansion joints.
3. Apply scratch coat with sufficient material and pressure to form full keys through and to embed metal base. When firm, score in a horizontal direction.
4. Apply brown coat to scratch coat, flat to true surface, and free of imperfections.
5. Compress brown coat at initial set to ensure adequate bonding with the scratch coat
6. Next float or brush the brown coat to eliminate imperfections and open the surface to enable a good mechanical bond for the eco stucco™ PRIMA finish coat.
7. With respect of the recommended curing time, saturate the brown coat with water the day prior to applying the finish
8. Damp the brown coat again right before applying the finish, letting moisture leave the surface before application.

C. Finish Coat

1. Prior to application of exterior stucco finish, the brown coat shall be damped with clean water to control and equalize suction.
2. In warm to hot weather conditions, it is recommended to also damp the brown coat the day prior to applying the finish.
3. Hand application over Portland cement plaster: Spread on even coat, and double-back with an additional coat, to 1/4 inch thick and trowel to the desired finish.
4. Machine application: Spray a single coat to 1/4 inch thick and even out the surface with a rod.
5. Do not over-trowel smooth finishes. Excessive over-troweling can cause bubbles or air pockets, cracking or discoloration.

3.04 CLEANING AND PROTECTION

1. Maintain moist conditions by keeping façade shaded for at least 48 hours following the application.
2. Cure scratch coat for a minimum of 7 days and maintain brown coat for a minimum of 21 days before applying the finish.
3. Point up around trim and other locations where plaster abuts dissimilar materials.
4. Remove temporary coverings used to protect adjacent surfaces.
5. Clean and repair adjacent surfaces and items soiled or damaged during work in this Section.

3.05 SCHEDULE

- A Plaster Style A:
1. Location: [] [As indicated on drawings].
 2. Design: []
 3. Finish: []
 4. Texture: []
 5. Color: []
- B Plaster Style A:
1. Location: [] [As indicated on drawings].
 2. Design: []
 3. Finish: []
 4. Texture: []
 5. Color: []