

## SECTION 092400 - CEMENT PLASTERING

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. Section Includes:

1. Base-coat cement plaster.
2. Cement plaster finish coats.

#### 1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

#### 1.3 ACTION SUBMITTALS

A. Product Data:

1. For each type of product.

- B. Shop Drawings: Locations and installation of control and expansion joints, including plans, elevations, sections, and attachment details.

- C. Samples for Initial Selection: For each type of factory-prepared finish coat and for each color and finish texture specified.

- D. Samples for Verification: For each type of factory-prepared finish coat and for each color and finish texture specified, **12 by 12 inches**, and prepared on rigid backing.

#### 1.4 MOCKUPS

- A. Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.

1. Build mockups for each substrate and color and finish texture indicated for cement plastering, including accessories.
  - a. Size: 9 sq. ft. in surface area.
2. For interior plasterwork, simulate finished lighting conditions for review of mockups.
3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Owner specifically approves such deviations by Change Order.
4. Subject to compliance with requirements, approved mockups may become part

of the completed Work if undisturbed at time of Substantial Completion.

## 1.5 FIELD CONDITIONS

- A. Comply with ASTM C926 requirements.
- B. Exterior Plasterwork:
  - 1. Apply and cure plaster to prevent plaster drying out during curing period. Use procedures required by climatic conditions, including moist curing, providing coverings, and providing barriers to deflect sunlight and wind.
  - 2. Apply plaster when ambient temperature is greater than **40 deg F**.
  - 3. Protect plaster coats from freezing for not less than 48 hours after set of plaster coat has occurred.
- C. Interior Plasterwork: Maintain room temperatures at greater than **40 deg F** for at least 48 hours before plaster application, and continuously during and after application.
  - 1. Avoid conditions that result in plaster drying out during curing period. Distribute heat evenly; prevent concentrated or uneven heat on plaster.
  - 2. Ventilate building spaces as required to remove water in excess of that required for hydrating plaster in a manner that prevents drafts of air from contacting surfaces during plaster application and until plaster is dry.
- D. Factory-Prepared Finish Coats: Comply with manufacturer's written instructions for environmental conditions for applying finish coats.

## PART 2 - PRODUCTS

### 2.1 PERFORMANCE REQUIREMENTS

### 2.2 ACCESSORIES

- A. General: Comply with requirements in ASTM C1063, and coordinate depth of trim and accessories with thicknesses and number of plaster coats required.

### 2.3 CEMENT PLASTER FINISH COATS

- A. Acrylic-Based Finish Coatings: Factory-mixed, acrylic-emulsion coating systems formulated with colorfast mineral pigments and fine aggregates; for use over cement plaster base coats. Include manufacturer's recommended primers and sealing topcoats for acrylic-based finishes.
  - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
    - a. California Stucco Products Corp.
    - b. Dryvit Systems, Inc.

- c. El Rey Stucco Solutions; a Parex USA, Inc. brand
  - d. Finestone, a Sika brand
  - e. Master Wall Inc.
  - f. Omega Products International
  - g. Senergy; a Sika brand
  - h. Sto Corp.
  - i. Stuc-O-Flex International, Inc.
- 2. Color: White.
  - 3. Texture: Smooth.
  - 4. Source Limitations: Obtain acrylic-based finish coating from single source from single manufacturer.

## 2.4 PLASTER MATERIALS

- A. Portland Cement: ASTM C150/C150M, Type I.
  - 1. Color for Finish Coats: White.
- B. Lime: ASTM C206, Type S; or ASTM C207, Type S.
- C. Sand Aggregate: ASTM C897.
  - 1. Color for Job-Mixed Finish Coats: White.

## 2.5 MISCELLANEOUS MATERIALS

- A. Water for Mixing and Finishing Plaster: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories.
- B. Bonding Compound: ASTM C932.

## PART 3 - EXECUTION

### 3.1 INSTALLATION, GENERAL

### 3.2 APPLICATION OF CEMENT PLASTER FINISH COATS

- A. General: Comply with ASTM C926.
  - 1. Do not deviate more than plus or minus **1/4 inch in 10 ft.** from a true plane in finished plaster surfaces when measured by a **10-ft.** straightedge placed on surface.
  - 2. Finish plaster flush with metal frames and other built-in metal items or accessories that act as a plaster ground unless otherwise indicated. Where casing bead does not terminate plaster at metal frame, groove finish coat at junctures with metal.
  - 3. Provide plaster surfaces that are ready to receive field-applied finishes indicated.

- B. Plaster Finish Coats: Apply to provide float finish to match Architect's sample.
- C. Acrylic-Based Finish Coatings: Apply coating system, including primers, finish coats, and sealing topcoats, in accordance with manufacturer's written instructions.

END OF SECTION 092400