

SECTION 09210 - GYPSUM PLASTER**PART 1 - GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Repair and restoration of existing gypsum plasterwork.
- B. As a Basis For Bidding, include in the Base Bid the repair of 2,000 sq. ft. of wall surface. Refer to Section 01270; Unit Prices for unit price requirements to be used to adjust the base bid amount as actual conditions are determined.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.

1.4 QUALITY ASSURANCE

- A. Mockups: Before proceeding with plastering, install mockup of at least 10 sq. ft. in surface area to demonstrate aesthetic effects, adherence and set quality standards for materials and execution.
 - 1. Install mockups for the following applications:
 - a. Troweled Finishes:
 - 1) Surfaces indicated to receive nontextured paint finishes.
 - 2. Simulate finished lighting conditions for review of mockups.
 - 3. Approved mockups may become part of the completed Work.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store materials inside under cover and keep them dry and protected against damage from weather, direct sunlight, surface contamination, corrosion, construction traffic, and other causes.

1.6 PROJECT CONDITIONS

- A. Comply with ASTM C 842 requirements or gypsum plaster manufacturer's written recommendations, whichever are more stringent.

- B. Room Temperatures: Maintain temperatures at not less than 55 deg F or greater than 80 deg F for at least 7 days before application of gypsum plaster, continuously during application, and for 7 days after plaster has set, or until plaster has dried.
- C. Avoid conditions that result in gypsum plaster drying out too quickly.
 - 1. Distribute heat evenly; prevent concentrated or uneven heat on plaster.
 - 2. Maintain relative humidity levels for prevailing ambient temperature that produces normal drying conditions.
 - 3. Ventilate building spaces in a manner that prevents drafts of air from contacting surfaces during plaster application and until plaster is dry.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:
 - 1. Available Products: Subject to compliance with requirements, products that may be incorporated into the Work include, but are not limited to, products specified.

2.2 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 C 631.

2.3 BASE-COAT PLASTER MATERIALS

- A. Base-Coat Plasters, General: ASTM C 28/C 28M.
- B. Gypsum Ready-Mixed Plaster: With mill-mixed perlite aggregate.
 - 1. Products:
 - a. National Gypsum Company; Gold Bond Gypsolite.
 - b. United States Gypsum Co.; Structo-Lite.
- C. Gypsum Neat Plaster: For use with job-mixed aggregates.
 - 1. Products:
 - a. National Gypsum Company; Gold Bond Two-Way Hardwall Plaster.
 - b. United States Gypsum Co.; Red Top Gypsum Plaster.
 - c.

2.4 FINISH-COAT PLASTER MATERIALS

- A. Gypsum Gauging Plaster: ASTM C 28/C 28M.
 - 1. Products:
 - a. National Gypsum Company; Gauging Plaster (Super-White).
 - b. United States Gypsum Co.; Red Top Gauging Gypsum Plaster.
- B. Gypsum Ready-Mixed Finish Plaster: Manufacturer's standard, mill-mixed, gauged, interior finish.
 - 1. Products:
 - a. National Gypsum Company; Gold Bond Kal-Kote Smooth.
 - b. United States Gypsum Co.; Imperial Finish Plaster.

2.5 PLASTER MIXES

- A. General: Comply with ASTM C 842 and manufacturer's written instructions for applications indicated.
- B. Finish-Coat Mix for Smooth-Troweled Finishes: Gypsum ready-mixed finish plaster. Proceed with finish plaster work only after mock-up has demonstrated successful adhesion to existing plaster surfaces to be repaired.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and substrates, with Installer present, and including welded hollow-metal frames and structural framing, for compliance with requirements and other conditions affecting performance.
 - 1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Protect adjacent work from soiling, spattering, moisture deterioration, and other harmful effects caused by plastering.

3.3 INSTALLATION, GENERAL

3.4 PLASTER APPLICATION

- A. General: Comply with ASTM C 842.
 - 1. Do not deviate more than plus or minus 1/8 inch in 10 feet from a true plane in finished plaster surfaces, as measured by a 10-foot straightedge placed on surface.

2. Provide plaster surfaces that are ready to receive field-applied finishes indicated.

B. Finish Coats:

1. Provide troweled finish.

3.5 CUTTING AND PATCHING

- A. Cut, patch, replace, and repair plaster as necessary to accommodate other work and to restore cracks, dents, and imperfections. Repair or replace work to eliminate blisters, buckles, crazing and check cracking, dry outs, efflorescence, sweat outs, and similar defects and where bond to substrate has failed.

3.6 CLEANING AND PROTECTION

- A. Remove temporary protection and enclosure of other work. Promptly remove plaster from door frames, windows, and other surfaces not indicated to be plastered. Repair floors, walls, and other surfaces stained, marred, or otherwise damaged during plastering.

END OF SECTION 09210