

SECTION 09 26 00
VENEER PLASTERING

PART 1 GENERAL

1.1 DESCRIPTION

This section specifies veneer plaster and veneer plaster base.

1.2 RELATED WORK

- A. Gypsum backing board on multi-layer systems: Section 09 29 00, GYPSUM BOARD.
- B. Application of sealants: Section 07 92 00, JOINT SEALANTS.

1.3 TERMINOLOGY

- A. Definitions and description of terms in accordance with ASTM C11, C843, C844, and as specified.
- C. "Yoked" Gypsum Board cut out for opening with no joint at the opening corners.

1.4 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data:
 - 1. Gypsum veneer plaster.
 - 2. Gypsum Base for Veneer Plaster.
 - 3. Accessories.
 - 4. Joint reinforcing materials.
 - 5. Laminating adhesive.
- C. Shop Drawings:

Typical veneer plaster installation, showing corner details, casing details, control joint details, and other similar details.

1.5 APPLICABLE PUBLICATIONS

- A. Publications listed below form a part of this specification to the extent referenced. Publications are referenced in the text by the basic designation only.
- B. American Society for Testing and Materials (ASTM):
 - C11-07.....Terminology Relating to Gypsum and Related Building Materials and Systems

- C472-99 (R2004).....Physical Testing of Gypsum, Gypsum Plasters and Gypsum Concrete
- C475-02 (R2007).....Joint Compound and Joint Tape for Finish Gypsum Board Construction
- C587-04.....Gypsum Veneer Plaster
- C588-03.....Gypsum Base for Veneer Plasters
- C631-95 (R2004).....Bonding Compounds for Interior Plastering
- C843-99 (R2006).....Application of Gypsum Veneer Plaster
- C844-07.....Application of Gypsum Base to Receive Gypsum Veneer Plaster
- C954-07.....Steel Drill Screws for the Application of Gypsum Panel Products Board or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84mm) to 0.112 in. (2.84mm) in thickness
- C1002-07.....Steel Drill Screws for the Applications of Gypsum Panel Products Board or Metal Plaster Bases
- C1047-05.....Accessories for Gypsum Wallboard and Gypsum Veneer Base

C. All work to comply with National Park Service Preservation Brief 21: Repairing Historic Flat Plaster Walls and Ceilings, and National Park Service Preservation Brief 23: Preserving Historic Ornamental Plasters.

PART 2 - PRODUCTS

2.1 VENEER BASE

ASTM C588, plain, Type "X", 16 mm (5/8-inch) thick.

2.2 GYPSUM VENEER PLASTER

ASTM C587. Minimum compressive strength of finish coat plaster shall be 17.2 MPa (2500 psi) in accordance with ASTM C472.

2.3 ACCESSORIES

- A. Corner Bead, Edge Trim and Control Joints: ASTM C1047 or D3678, except as specified.
- B. Corner bead and edge trim (casings): Minimum 0.38 mm (0.015-inch) thick zinc-coated steel sheet or rigid PVC plaster.
- C. Flanges not less than 22 mm (7/8-inch) wide with punch-outs or deformations as required to provide plaster bond.

2.4 JOINT REINFORCING TAPE

ASTM C475, Paper tape.

2.5 LAMINATING ADHESIVE

ASTM C475 joint compound chemical setting type or as recommended by veneer base manufacturer. VOC not to exceed 20g/l; free of antifreeze and pesticides.

2.6 FASTENERS

- A. Screws: ASTM C1002 or C954.
- B. Staples: Flattened zinc-coated steel wire, minimum 15 mm (9/16-inch) leg for securing corner beads or casing and minimum 9 mm (3/8-inch) leg for securing joint reinforcement.

2.7 BONDING COMPOUND

ASTM C631.

PART 3 EXECUTION

3.1 INSTALLATION CRITERIA

- A. Where fire rated construction is required for walls, partitions, columns, beams and floor-ceiling assemblies, construct the same as that used in fire rating test.
- B. Requirements for fire rated and sound rated assemblies and materials: Construct as shown and specified; the provisions of the Scope Paragraphs 1.2 and 1.3 of ASTM C843 and 1.2, 1.3, and 1.4 of ASTM C844 regarding details of construction shall not apply.
- C. Requirements for ventilating unheated spaces above veneer plaster ceilings: Construct as shown and specified; the provisions of the Scope Paragraph 1.5 of ASTM C844 regarding ventilation shall not apply.

3.2 APPLICATION OF VENEER BASE

- A. Gypsum Board Heights:
 - 1. Extend gypsum board from floor to underside of structure overhead on partitions and furring as follows:
 - a. Two sides of the following:
 - 1) Fire rated partitions.

- 2) Smoke partitions including cross corridor smoke partitions.
 - 3) Sound rated partitions.
 - 4) Full height partitions shown (FHP).
 - 5) Corridor partitions.
- b. One side of the following:
- 1) Inside of exterior walls and furring.
 - 2) Room side of rooms without suspended ceilings.
 - 3) Furring for pipes and duct shafts, except where fire rated construction is shown.
2. Extend layers of gypsum board construction used for fireproofing of columns from floor to underside of structure overhead, unless shown otherwise.
3. In locations other than those specified above, extend gypsum board as follows:
- a. Not less than 100 mm (four inches) above suspended acoustical ceilings.
 - b. To ceiling.
 - c. To existing ceilings.

B. Installation:

1. Apply veneer base in accordance with ASTM C844, except as otherwise specified or shown.
2. Use veneer base of maximum practical length.
3. Install veneer base with long dimension direction as follows:
 - a. On ceilings, at 90 degrees to framing to which it is applied.
 - b. On partitions, horizontally or vertically, except when the partition is fire rated apply base as designed in the fire rating test.
4. In vertical application of veneer base, use panels of length required to reach full height of vertical surfaces in one continuous piece.
5. Erect veneer base so that the leading edge of the base is first attached to the open end of the metal stud flange.
6. Leave a space approximately 6 mm (1/4-inch) at bottom and top of veneer base for caulking or sealant.
7. Edge and End Joints:
 - a. Locate edge joints over framing in fire rated partitions.
 - b. Locate end joints over furring or framing in all cases.
 - c. Stagger end joints of adjoining boards or multiple layer boards.
8. Control Joints:
 - a. ASTM C844, paragraph 7.4.

- b. Locate at both side of jambs of openings if gypsum board is not "yoked". Use only one system throughout.
 - c. Not required for wall length less than 9 m (30 feet).
 - d. Do not extend veneer base across control joints.
 - e. Extend control joints the full height of the wall or length of soffit/ceiling veneer plaster membrane.
9. Two-Ply Construction:
- a. Apply in accordance with ASTM C844 with joints between layers staggered or offset and falling over framing member, except at control joints.
 - b. Use screws to hold veneer base in place.
10. Accessories:
- a. Set plastering accessories plumb, level and true to line, neatly mitered at corners and intersections, and securely attach to supporting surfaces with screws or staples.
 - b. Install in one piece, within the limits of the longest commercially available lengths.
 - c. Corner Beads:
 - 1) At all external corners.
 - 2) Where required as grounds.
 - 3) Where shown.
 - d. Casings Beads:
 - 1) At both sides of expansion and control joints, except as otherwise shown.
 - 2) Where veneer plaster terminates against dissimilar materials and at perimeter of openings, except where covered by flanges, casings or permanently built-in equipment.
 - 3) Where non-load bearing veneer plastered surfaces abuts load bearing members.
 - 4) Where shown.

3.3 SEALANT APPLICATION

- A. Apply sealants to veneer plaster base to cut outs, penetrations, and intersections with adjoining materials prior to application of veneer plaster for acoustical partitions.
- B. Coordinate with Section 07 92 00, JOINT SEALANTS, for application of sealants.

3.4 VENEER PLASTER APPLICATION OVER GYPSUM BASE

- A. Mix and apply veneer plaster in accordance with ASTM C843 for one-component plasters, except as specified otherwise.
- B. Joint Reinforcement: ASTM C843.
- C. Apply smooth-trowel finish.
- D. On fire rated, smoke barrier, sound barrier and other partitions specified or shown to extend to underside of structure overhead or full height (floor to floor), the veneer plaster finish may terminate 100 mm (four inches) above the suspended ceiling.
- E. Seal and reinforce all joints and fastener heads above ceilings.

3.5 CLEANUP AND PATCHING

Remove any plaster splashes from adjacent surfaces. Repair defects in veneer plaster. Plaster surfaces shall be smooth, clean, and in condition to receive the finishing materials that will be applied.

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