092300 - Gypsum Plastering

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Recommended Citation
Hickey, Sandra, "092300 - Gypsum Plastering" (2013). Division 09 – Finishes. 1.
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SECTION 09 2300 - GYPSUM PLASTERING

1.1 SUMMARY
A. The University prefers to use regional materials within a 500 mile radius of the campus.
B. Section Includes:
   1. Gypsum plasterwork on expanded-metal lath.
C. General:
   1. Soft plaster ceiling shall NOT be used.

1.2 SUBMITTALS
A. LEED Submittals:
   1. Product Data for Credit MR 4.1 and Credit MR 4.2: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content.
      a. Include statement indicating costs for each product having recycled content.
   2. Product Data for Credit EQ 4.1: For sealants, including printed statement of VOC content.

1.3 QUALITY ASSURANCE
A. Fire-Resistance Ratings: Where indicated, provide gypsum plaster assemblies identical to those of assemblies tested for fire resistance per ASTM E 119 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
   1. Indicate design designations from UL's "Fire Resistance Directory" or from the listings of another qualified testing agency.

1.4 EXPANDED-METAL LATH
A. Manufacturers:
   1. Dale/Incor.
   2. Fry Reglet Corporation.
   3. Dietrich Metal Framing; a Worthington Industries Company.
   4. Western Metal Lath and Steel Framing Systems.
   5. Phillips Manufacturing Co.

1. Recycled Content: Provide steel products with average recycled content such that postconsumer recycled content plus one-half of preconsumer recycled content is not less than 25 percent.
2. Paper Backing: Kraft paper factory bonded to back of lath.
3. Diamond-Mesh Lath: Self-furring, 3.4 lb/sq. yd. (1.8 kg/sq. m).

1.5 ACCESSORIES

A. General: Comply with ASTM C 841 and coordinate depth of trim and accessories with thicknesses and number of plaster coats required.

1. Provide zinc and zinc-coated accessories; G60 (Z180) hot-dip galvanized.

1.6 MISCELLANEOUS MATERIALS

A. Bonding Compound: ASTM C 631.

B. Steel Drill Screws: For metal-to-metal fastening, ASTM C 1002 or ASTM C 954, as required by thickness of metal being fastened; with pan head that is suitable for application; in lengths required to achieve penetration through joined materials of no fewer than three exposed threads.

C. Fasteners for Attaching Metal Lath to Substrates: Complying with ASTM C 841.

D. Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, not less than 0.0475-inch (1.21-mm) diameter, unless otherwise indicated.

E. Sound Attenuation Blankets: ASTM C 665, Type I (blankets without membrane facing) produced by combining thermosetting resins with mineral fibers manufactured from glass, slag wool, or rock wool.

1. Fire-Resistance-Rated Assemblies: Comply with mineral-fiber requirements of rated assembly.
2. Recycled Content: Provide blankets with recycled content such that postconsumer recycled content plus one-half of preconsumer recycled content constitutes a minimum of 25 percent by weight.

F. Acoustical Sealant:

1. Provide sealants that have a VOC content of 250 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

1.7 BASE-COAT PLASTER MATERIALS

A. Base-Coat Plasters, General: ASTM C 28/C 28M.
CHAPTER 5 – TECHNICAL CONSTRUCTION AND RENOVATION STANDARDS
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1.8 FINISH-COAT PLASTER MATERIALS

A. Gypsum Gaging Plaster: ASTM C 28/C 28M.


C. High-Strength Gypsum Gaging Plaster: ASTM C 28/C 28M, with a minimum, average, dry compressive strength of 5000 psi (34 MPa) per ASTM C 472 for a neat mix.

D. Gypsum Keene's Cement: ASTM C 61/C 61M.

E. Lime: ASTM C 206, Type N, normal finishing hydrated lime.

1.9 PLASTER MIXES

A. Mixing: Comply with ASTM C 842 and manufacturer's written instructions for applications indicated.

1.10 INSTALLING EXPANDED-METAL LATH

A. Expanded-Metal Lath: Install according to ASTM C 841.

2. Horizontal Framing: Install flat diamond-mesh lath.

1.11 PLASTER APPLICATION

A. General: Comply with ASTM C 842.

END OF SECTION 09 2300