

## **DIVISION 9 - FINISHES**

### **Section 09250 - Gypsum Board**

#### **Introduction**

This is a section where the consultant should use a "performance specification". Do not specify proprietary manufacturer's names or materials, and do not restrict vendors to a limited list.

Mechanically fastened paperless sheathing panels made of water resistant and silicone treated cores surfaced with glass mat facings with alkali-resistant coating (comparable to Dens Glass Gold Sheathing) may be specified for wall and soffit substrate construction at above grade exterior and at interior wet locations, excluding locations where tile/brick/stone clad finishes are specified. Specify Portland cement glass mesh board or lath and plaster for walls and soffits where tile, brick, and stone finishes are specified.

Describe locations for all expansion joints in gypsum board walls and ceilings on the drawings.

Coordinate this Section closely with Section 09100 Metal Support Systems.

#### **Part 1 - General**

- Identify as reference standard the criteria of the following organizations:
  - The Gypsum Association
  - The United States Gypsum Company (the non-proprietary aspects of the Gypsum Construction Handbook)
- Do not interrupt gypsum board at fire resistant partitions for blocking, ceramic tile backer boards, or other construction.

#### **Part 2 - Products**

- Require use of 5/8" gypsum board panels throughout. Allow use of 1/2" panels only in concealed conditions such as pipe chases and air plenums (subject to fire-resistant requirements).
- Specifically call for use of fire-resistant, moisture-resistant, and combination fire-and moisture-resistant panels, where required.
- Specify mold resistant and paperless board in all wet locations which shall comply with ASTM C1178/C and 1178M.
- Secure panels to framing 8 inches on center at edges and 12 inches on center within field.
- Require use of maximum practicable panel lengths to reduce number of joints.
- Specify only metal trim, joints, and accessories, designed for mechanical attachment.
- Require that all gypsum wallboard receive PVA primer prior to texture. Do not confuse this gypsum board primer with painting primer.

#### **Part 3 - Execution**

- Specify only screw attachment for gypsum panels to both wood and metal framing, and for all trim, joints, and accessories.

- Specify corrosion resistant screws in all wet locations.
- Require that vertical joints be staggered 1/2 panel.
- Require that gypsum panels be installed continuous over openings, and extend at least 1 full stud beyond the opening edge.
- Specify "floating stud" and "floating corner" installation techniques.
- Specifically describe requirements for installation and spacing of expansion joints in walls and ceilings.
- Specify finish textures for interior spaces as follows:
  - PVA gypsum board primer. Light skip trowel to match the Owner's sample in new areas such as offices, corridors, classrooms, conference rooms, libraries, etc.
  - Light stipple in wet or sanitary areas
  - Smooth finish, if necessary, shall be specified in Section 09200 - Lath and Plastering
  - Match existing surface textures in areas where existing walls are retained

**End of Section 09250**