

TABLE 2506.2
GYPSUM BOARD AND GYPSUM PANEL PRODUCTS MATERIALS AND ACCESSORIES

| MATERIAL | STANDARD |
|--|------------------------|
| Accessories for gypsum board | ASTM C1047 |
| Adhesives for fastening gypsum board | ASTM C557 |
| Cold-formed steel studs and track, structural | AISI S240 |
| Cold-formed steel studs and track, nonstructural | AISI S220 |
| Elastomeric joint sealants | ASTM C920 |
| Expandable foam adhesives for fastening gypsum wallboard | ASTM D6464 |
| Factory-laminated gypsum panel products | ASTM C1766 |
| Fiber-reinforced gypsum panels | ASTM C1278 |
| Glass mat gypsum backing panel | ASTM C1178 |
| Glass mat gypsum panel 5 | ASTM C1658 |
| Glass mat gypsum substrate | ASTM C1177 |
| Joint reinforcing tape and compound | ASTM C474; C475 |
| Nails for gypsum boards | ASTM C514, F547, F1667 |
| Steel screws | ASTM C954; C1002 |
| Standard specification for gypsum board | ASTM C1396 |
| Testing gypsum and gypsum products | ASTM C22; C472; C473 |

SECTION 2507 LATHING AND PLASTERING

2507.1 General. Lathing and plastering materials and accessories shall be marked by the manufacturer's designation to indicate compliance with the appropriate standards referenced in this section and stored in such a manner to protect them from the weather.

2507.2 Standards. Lathing and plastering materials shall conform to the standards listed in Table 2507.2 and Chapter 35 and, where required for fire protection, shall conform to the provisions of Chapter 7.

SECTION 2508 GYPSUM CONSTRUCTION

2508.1 General. Gypsum board, gypsum panel products and gypsum plaster construction shall be of the materials listed in Tables 2506.2 and 2507.2. These materials shall be assembled and installed in compliance with the appropriate standards listed in Tables 2508.1 and 2511.1.1 and Chapter 35.

TABLE 2508.1
INSTALLATION OF GYPSUM CONSTRUCTION

| MATERIAL | STANDARD |
|--|-------------------|
| Gypsum board and gypsum panel products | GA-216; ASTM C840 |
| Gypsum sheathing and gypsum panel products | ASTM C1280 |
| Gypsum veneer base | ASTM C844 |
| Interior lathing and furring | ASTM C841 |
| Steel framing for gypsum board and gypsum panel products | ASTM C754; C1007 |

2508.2 Limitations. Gypsum wallboard or gypsum plaster shall not be used in any exterior surface where such gypsum construction will be exposed directly to the weather. Gypsum wallboard shall not be used where there will be direct exposure to water or continuous high humidity conditions. Gypsum sheathing shall be installed on exterior surfaces in accordance with ASTM C1280.

2508.2.1 Weather protection. Gypsum wallboard, gypsum lath or gypsum plaster shall not be installed until weather protection for the installation is provided.

2508.3 Single-ply application. Edges and ends of gypsum board and gypsum panel products shall occur on the framing members, except those edges and ends that are perpendicular to the framing members. Edges and ends of gypsum board and gypsum panel products shall be in moderate contact except in concealed spaces where fire-resistance-rated construction, shear resistance or diaphragm action is not required.

2508.3.1 Floating angles. Fasteners at the top and bottom plates of vertical assemblies, or the edges and ends of horizontal assemblies perpendicular to supports, and at the wall line are permitted to be omitted except on shear resisting elements or fire-resistance-rated assemblies. Fasteners shall be applied in such a manner as not to fracture the face paper with the fastener head.

2508.4 Adhesives. Gypsum board and gypsum panel products secured to framing with adhesives in ceiling assemblies shall be attached using an approved fastening schedule. Expandable foam adhesives for fastening gypsum wallboard shall conform to ASTM D6464. Other adhesives for the installation of gypsum wallboard shall conform to ASTM C557.