

GYPSUM BOARD

1. GENERAL

1.1 Work Included

- .1 Interior wall finish

1.2 Related Sections

- .1 Metal Stud System: Section 09111

1.3 Quality Assurance (Environmental Requirements)

- .1 Maintain temperature minimum 10°C, maximum 21°C for 48 hours prior to and during application of gypsum boards and joint treatment, and for at least 48 hours after completion of joint treatment.
- .2 Apply board and joint treatment to dry, frost free surfaces.

2. PRODUCTS

2.1 Materials

- .1 Standard board: to ASTM C 36 regular, Type X, 16 mm thick, 1200 mm wide x maximum practical length, ends square cut, edges beveled.
- .2 Steel drill screws: to ASTM C 1002
- .3 Stud adhesive: to CAN/CGSB-71.25 ASTM C 557
- .4 Laminating compound: as recommended by manufacturer, asbestos-free
- .5 Casing beads, corner beads, and edge trim: to ASTM C 1047, metal with Z275 zinc finish, 0.5 mm base thickness, perforated flanges, one piece length per location.
- .6 Joint compound: to ASTM C 475, asbestos-free
- .7 Joint tape
- .8 Acoustic furring bars, g.l., 13 mm

2.2 Acceptable Products

- .1 Domtar Construction Materials
- .2 Canadian Gypsum Co. Limited
- .3 Westroc Industries

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3. EXECUTION

3.1 Erection

- .1 Do application and finishing of gypsum board in accordance with ASTM C 840 except where specified otherwise.
- .2 Do application of gypsum sheathing in accordance with ASTM C 1280.

3.2 Application

- .1 Do not apply gypsum board until bucks, anchors, blocking, electrical and mechanical Work are approved.
- .2 Apply single layer gypsum board to framing using screw fasteners for first layer, laminating adhesive screw fasteners for second layer. Maximum spacing of screws 300 mm o/c.
- .3 Apply 13 mm diameter bead of acoustic sealant continuously around periphery or each face of partitioning to seal gypsum board/structure junction where partitions abut fixed building components. Seal full perimeter of cut-outs around electrical boxes, ducts, etc., in partitions where perimeter sealed with acoustic sealant.

3.3 Installation

- .1 Erect accessories straight, plumb or level, rigid and at proper plane. Use full length pieces where practical. Make joints tight, accurately aligned and rigidly secured. Miter and fit corners accurately, free form rough edges. Secure at 150 mm o/c.
- .2 Where top of partitions abut steel liner on underside of roof, finish top of gypsum board with a square nose trim.
- .3 Splice corners and intersections together and secure to each member with three (3) screws.
- .4 Finish face panel joints and internal angles with joint system consisting of joint compound, joint tape and taping compound installed according to manufacturer's directions and feathered out onto panel faces.
- .5 Finish corner beads, control joints and trim as required with two (2) coats of joint compound and one coat of taping compound, feathered out onto panel faces.
- .6 Fill screw head depressions with joint and taping compounds to bring flush with adjacent surface of gypsum board so as to be invisible after surface finish is completed.
- .7 Sand lightly to remove burred edges and other imperfections. Avoid sanding adjacent surface of board.

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- .8 Completed installation to be smooth, level or plumb, free from waves and other defects and ready for surface finish.

END OF SECTION