

SPECIFICATION PG - 001

ASTM Standard Specification C 36 and C 1396

REFERENCE DOCUMENTS:

ASTM Standard Specification C 36, C 1396, C 475 and C 840

GA-216 - “Application and Finishing of Gypsum Board”

GA-214 - “Recommended Levels of Gypsum Board Finish”

GA-600 - “Fire Resistance Design Manual”

PABCO® Gypsum - “Gypsum Board Products and Systems”

ICBO - ER #1632, #1874 and #2060

UL - “Fire Resistance Directory”

DESCRIPTION:

PABCO® Gypsum Wallboard is a gypsum panel product designed for use on interior walls, ceilings and partitions; its paper facing affords an excellent surface suitable for decoration. Tapered edges provide a recessed area that allows taping and filling of joints to create a monolithic wall or ceiling finish. PABCO® Gypsum Wallboard is produced in thicknesses of 3/8”, 1/2” and 5/8”; widths of 48” and 54” (for 1/2” and 5/8”) and lengths that vary from 8’ to 14’. Regular core is standard for gypsum wallboard; however, it may have additives that create an improved fire resistive core referred to as type X. All type X and other improved core fire rated products and designs are covered in PABCO®’s Specification PG-002. PABCO® Gypsum Wallboard panels are quite flexible, may be attached with nails, screws or adhesives, are inexpensive and the gypsum core provides natural resistance to the spread of fire.

APPLICATION:

PABCO® Gypsum endorses the Gypsum Association’s publications GA-216 and GA 214 as well as ASTM Standard Specification C 840 as its application and finishing specifications. These similar specifications give detailed instruction on the standard application of wallboard panels and proper joint finishing procedures. PABCO® Gypsum Wallboard panels may be attached to wood and steel framing with nails, screws and/or adhesives. Systems affording 1, 2, 3 and 4 hour fire ratings are available and described in PG-002; each system must be installed in strict compliance with the detailed fire test description.

Systems that have been fire and sound tested are listed in the Gypsum Association “Fire Resistance Design Manual” (GA-600) and/or the UL “Fire Resistance Directory”. Additional approved systems are listed in ICBO Evaluation Reports #1632, #1874 and #2060. Finishing of joints and covering fasteners is delineated in GA 214 and/or C 840.

(continued over)

APPLICATION:

(continued) PABCO® Gypsum Wallboard panels are normally applied to ceiling areas first, then to walls. When application is made with nails, all nails must be driven slightly below the surface of the panel (dimpled approx. 0.050"). Nails shall be of such length they penetrate wood framing a minimum of 7/8". Screws, when used on wood framing, shall penetrate a minimum 5/8" into the wood; on steel framing the screws shall be of sufficient length to penetrate framing not less than 3/8". Spacing of nails shall not exceed 7" o.c. on ceilings or 8" o.c. on walls with framing not exceeding 24" o.c. Screw spacing shall not exceed 12" o.c. on ceilings or walls with framing 24" o.c.; spacing screws 16" o.c. is permitted on walls with framing not exceeding 16" o.c. Nail or screw spacing on fire or sound rated systems shall be as detailed in the test report.

Adhesives for attachment must always be in combination with screws or nails.

A combination of nails on the perimeters and screws in the field of panels is permitted with the spacing the same as described for each type fastener. PABCO® Gypsum Wallboard panels shall be "cut to fit" as closely as possible without forcing panels in place. PABCO® Gypsum Wallboard joints shall not be aligned with door or window openings; joints shall be offset at least 6". Parallel joints on opposite sides of walls shall not occur on the same studs; horizontal joints which occur between panels applied perpendicular to studs shall be offset.

Temperature at time of panel application shall be above 32 degrees F and shall be maintained at 50 degrees F 48 hours prior to and during application and drying of joint compound. Special treatment of assemblies for additions such as control joints, resilient channel, insulation and perimeter relief systems shall be as specified in the tested system.

LIMITATIONS:

1. 24" o.c. joist spacing is the maximum span for 1/2" PABCO® Gypsum Ceiling Board or 5/8" PABCO® Gypsum Wallboard.
2. PABCO® Gypsum Wallboard shall not be used where it will be exposed to temperatures exceeding 125 degrees F for an extended period of time.
3. Gypsum wallboard shall not be used where there will be direct exposure to water or continuous high humidity.
4. PABCO® Gypsum Wallboard panels shall be not less than 8" from finish grade in weather protected wall systems nor less than 12" from the ground in ventilated crawl spaces.
5. All materials and application of PABCO® Gypsum Wallboard panels in rated systems shall be as specified in the specific test report.

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