



## **SPECIFICATION PG - 001**

ASTM Standard Specification 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 - "PABCO® Gypsum Quality To The Core® Brochure"

ICC - ESR 1338

UL - "Fire Resistance Directory"

## **DESCRIPTION:**

PABCO® Gypsum Wallboard is a family of gypsum panel products 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 3/8" and 1/2" thick 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 wallboard products 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 ICC: ESR 1338. Finishing of joints and covering fasteners is delineated in GA 214 and/or C 840. (continued over)

**NEWARK, CALIFORNIA**  
**PHONE: (510) 792-9555**  
**FAX: (510) 794-8725**

**CORONA, CALIFORNIA**  
**PHONE: (951) 667-2050**  
**FAX: (951) 667-2070**

**LAS VEGAS, NEVADA**  
**PHONE: (702) 643-1016**  
**FAX: (702) 643-6249**

## **TECHNICAL SERVICES**

**NORTHWEST: (866) 282-9298** **SOUTHWEST: (800) 634-6601**

**WWW.PABCOGYPSUM.COM**



## **APPLICATION:**

(continued)

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 40 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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