



# GYPSUM SHEATHING

PABCO® Gypsum  
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PABCO® Gypsum Specification PGS-004  
 ASTM specification C 1396



**Description:**

PABCO® Gypsum Sheathing is a versatile, economical and water-resistant panel product that is used as a substrate for exterior cladding. PABCO® Gypsum Sheathing is designed for mechanical attachment to the outside surface of exterior wall framing using either nails, screws or staples. The core is encased in 100% recycled water-resistant paper facing that is distinguishable by the brown/black coloration on the front and the long edges.

PABCO® type X Gypsum Sheathing is available in a 5/8" Underwriters Laboratories Classified type X water-resistant gypsum core for use in fire-resistant exterior wall assemblies.

**Primary Uses:**

PABCO® type X Gypsum Sheathing can be used with virtually all exterior walls and cladding: including wood siding, shingles, panel siding, vinyl or metal siding, masonry or brick veneer, Portland cement stucco, and Exterior Insulated Finish Systems (EFIS). Mechanically attached exterior walls and cladding are attached through the sheathing into the wall framing. The performance of any Exterior Insulated Finish System that includes gypsum sheathing and recommendations for the proper method of attachment are the sole responsibility of the Exterior Insulated Finish System manufacturer."

**Limitations:**

**PABCO® Gypsum Sheathing:**

- Shall not be used on ceilings, soffits or sills.
- Is designed for mechanical attachment **only** to the outside surface of the exterior wall framing using either nails, screws or staples. Construction of fire resistive assemblies shall be in accordance with the construction details specified in the fire test report.
- Is a substrate that shall be covered by exterior wall cladding and is not intended for exposure exceeding 30 days. The gypsum sheathing board shall be covered immediately with a water-resistive barrier if exposure time will be extended or weather conditions become severe.
- Shall be covered with a water-resistive barrier, or horizontal joints shall be sealed; refer to the local building code for details. Where a water-resistive barrier is required, the water-resistive barrier shall be attached over the face of the gypsum sheathing, to the framing, with the upper layer lapped over the lower layer in accordance with the code. (See GA-253 Application of Gypsum Sheathing for complete details, www.gypsum.org).
- Shall be properly flashed at openings and located so that no joint will align with an edge of the opening. Joints shall be staggered.
- Holes and cutouts for pipes or fixtures, or other small openings, shall be properly protected by means such as flashing or caulking.





**Application:**

PABCO® Gypsum endorses the Gypsum Association’s publication GA-253 and GA-254 as its application documents, which detail instruction on the standard application of wallboard panels ([www.gypsum.org](http://www.gypsum.org)).

**Product Data, Sizes and Types:**

Product	UL Core Type	Thickness	Width	Length <sup>1</sup>	Weight <sup>2</sup>
Sheathing	NA	1/2"	48"	8'	1.7 lbs/ft <sup>2</sup>
Sheathing Type X	PG-5WS	5/8"	48"	8', 12'	2.3 lbs/ft <sup>2</sup>

Packaging: 2 pieces per bundle, face-to-face, and end labeled.  
 Edge type: Square Edge  
 MSDS: Material Safety Data Sheet available at [www.pabco gypsum.com](http://www.pabco gypsum.com), Technical Data

<sup>1</sup> Other lengths may be available on a special order basis. Consult with your local PABCO® representative, or call PABCO® Technical Assistance.  
<sup>2</sup> Represents approximate weight for design and shipping purposes. A more exact weight may be available for your area; consult with your local PABCO® representative, or call PABCO® Technical Assistance.

**Applicable Standards and Technical Data:**

Manufacturing: ASTM C 1396  
 Federal Specification SS-L-30D Type II\*  
 Installation: Gypsum Association GA-253, GA-254; [www.gypsum.org](http://www.gypsum.org)  
 ASTM C 1280; [www.astm.org](http://www.astm.org)  
 Mold Resistance: ASTM D 3273  
 Surface Burning Characteristics: ASTM E 84, Flame Spread 15, Smoke Developed 0  
 “R” value: 1/2" = 0.45; 5/8" = 0.48 Thermal Resistance  
 Material Safety Data Sheet: MSDS available at [www.pabco gypsum.com](http://www.pabco gypsum.com), Technical Data  
 PABCO Gypsum: “Construction Guide: Fire & Sound Rated Systems”  
 Recycled Content: Refer to PABCO® Sustainable Materials Data Sheet for plant specific details.

Please check our website at [www.pabco gypsum.com](http://www.pabco gypsum.com) for the latest edition of this specification.  
 \* The federal specification for gypsum board, SS-L-30d was withdrawn in 1984. It is provided here for informational purposes only.

**Storage & Handling:**

Store all PABCO® gypsum panels flat; do not store on edge as panels are heavy and may fall over causing injury or death. Store in an area that offers protection from adverse weather conditions, condensation, and other forms of moisture. Avoid job site conditions that expose gypsum board to water or moisture. Plastic shipping bags are temporary, and intended for protection during transit only, and must be removed promptly upon arrival. Store gypsum board under protected cover, off the ground with sufficient support to prevent sagging. Exercise proper care to avoid impact, scuffing of the paper faces, undue flexing, and damage to board edges, corners, and ends.

**Fire Resistant Ratings:**

Fire Resistance Rated assembly designs are promulgated from tests performed at IAS\* certified independent testing laboratories, and these designs include specific materials assembled in a precise configuration. When choosing construction details to achieve specific fire resistance rated requirements, care must be taken to insure that each component of the specified assembly is the proper one specified in the test report, and assembled in accordance with the specific requirements of the assembly. \*(The International Accreditation Service —IAS— is a non-profit, public benefit corporation and a leading accreditation body in the United States. Internationally recognized, accreditation by IAS makes it easier to market products and services both inside and outside the United States.)

**Submittal Approvals:**

Job name:		
Contractor:		Date:

**Limited Warranty:** PABCO® Building Products, LLC, warrants that on the date the gypsum board is shipped from its manufacturing plant the gypsum board is free from defects in materials and manufacture. NOTWITHSTANDING THE FOREGOING, IT IS THE RESPONSIBILITY OF THE GYPSUM BOARD APPLICATOR TO NOTIFY PABCO BUILDING PRODUCTS, LLC, IN WRITING WITHIN TWENTY FOUR (24) HOURS OF DISCOVERY OF ANY VISIBLY DEFECTIVE GYPSUM BOARD PRIOR TO SUCH VISIBLY DEFECTIVE GYPSUM BOARD BEING APPLIED; FAILURE TO DO SO MAY FURTHER LIMIT OR VOID THE RESPONSIBILITIES OF PABCO BUILDING PRODUCTS, LLC, UNDER THIS WARRANTY. This warranty will remain in place for one year from the date of shipment from the manufacturing plant. THIS EXPRESS WARRANTY IS THE EXCLUSIVE WARRANTY PROVIDED BY PABCO® BUILDING PRODUCTS, LLC, AND SUPERSEDES ANY PRIOR, CONTRARY OR ADDITIONAL REPRESENTATIONS, WHETHER ORAL OR WRITTEN. PABCO® BUILDING PRODUCTS, LLC, HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES – WHETHER EXPRESS, IMPLIED, OR STATUTORY – INCLUDING ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

If the gypsum board fails to conform to the foregoing warranty in Paragraph 1 and such nonconformity is not due to misuse or improper maintenance or storage, Buyer shall notify PABCO® Building Products, LLC, in writing, and within 60 days of discovery, PABCO® Building Products, LLC, shall provide, at its sole and absolute discretion, one of the following: (i) repair or replacement of any nonconforming or defective gypsum wallboard; or (ii) credit or full refund of the purchase price. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY OF BUYER FOR ANY BREACH OF WARRANTY.

IN NO EVENT SHALL PABCO® BUILDING PRODUCTS, LLC, BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE, OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT OR FROM NEGLIGENCE OR OTHER TORT. This exclusion applies regardless of whether such damages are sought for breach of warranty, breach of contract, negligence, or strict liability in tort or under any other legal theory.

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