

**MANUFACTURER INFORMATION:**

PABCO® Gypsum  
a division of PABCO® building products, LLC  
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[www.PABCOgypsum.com](http://www.PABCOgypsum.com)

PABCO® Specification PGS-012  
ASTM specification C 1396

**DESCRIPTION:**

PABCO® High Impact Type X gypsum panels are comprised of a proprietary high density fire resistant Type X gypsum core that incorporates the MOLD CURB® Plus technology. This product is designed for interior wall assemblies where surface durability (abrasion and indentation resistance), and mold and water resistance are primary considerations.

PABCO® High Impact Type X gypsum panels are encased in a heavy and durable 100% recycled light-blue colored mold/mildew abrasion-resistant face paper, and 100% recycled heavy mold/mildew resistant grey liner paper on the back side. The panels incorporate a layer of embedded fiberglass mesh to further enhance impact resistance. This product features a tapered edge formation that provides a recessed area to allow for the finished joint system to be below the decorating surface, resulting in a monolithic wall finish. The ends are cut square and finished smooth.

**PRIMARY USES:**

PABCO® High Impact Type X gypsum panels incorporate a high density core that provides superior resistance to abrasion and surface indentation. These gypsum panels have been designed and tested for use on high traffic interior walls (i.e. schools, hospitals, corrections facilities and offices), and partitions in either new or renovation construction applications where surface durability, abrasion, indentation, water and mold/mildew resistance are the desired attributes for the finished wall. PABCO® High Impact Type X gypsum panels are designed for direct mechanical attachment (nail or screw)

# PABCO® HIGH IMPACT

## Impact, Abuse, Mold & Water Resistant

to wood or metal substrates, or attached to an existing surface using fasteners. With the wallboard joints properly treated per GA-216 and GA-214, PABCO® High Impact Type X gypsum panels will resist the passage of smoke.

**LIMITATIONS:**

- PABCO® High Impact Type X gypsum panels are intended for interior applications, and shall not be used where there will be direct exposure to water or continuous high humidity before, during, and after construction. Avoid exposure to temperatures exceeding 125° F (52° C) for an extended period of time.
- PABCO® High Impact Type X gypsum panels are a non-structural panel, not intended to be used as a structural fastener base or to support wall or ceiling mounted objects. All materials used in conjunction with the application of High Impact Type X gypsum panels shall be as specified in the applicable specific test report.
- Abuse/impact resistance performance on metal framing requires a minimum of 20 gauge metal substrate be used at a maximum spacing of 16 inches on center.

**APPLICATION:**

PABCO® Gypsum endorses and recommends the application specifications published in GA-216 ([www.gypsum.org](http://www.gypsum.org)) and/or ASTM C 840 ([www.astm.org](http://www.astm.org)).

**MOLD & WATER RESISTANCE:**

PABCO® High Impact Type X gypsum panels have been engineered with a water-resistant chemistry that provides the most enhanced water and mold-resistant protection available in gypsum board products, to provide protection against mold due to chemical treatment of the paper facings and the gypsum core, as compared

to untreated gypsum panels. In independent laboratory tests per ASTM D 3273 (Standard Test Method for Resistance to Growth of Mold on the Resistance Surface of Interior Coatings in an Environmental Chamber), PABCO® High Impact Type X gypsum panel products achieved a 10 rating, the highest level of performance for this test method.

No material may be classified as mold-proof. Prolonged exposure to moisture can result in the growth of mold or mildew on any surface. The use of good design, with proper handling and construction practices, is the most effective and best method to minimize mold. This includes avoiding water exposure during all phases of the project, such as: storage, handling, shipping, and product installation and system maintenance both before and after project completion. Water absorption less than 5% when tested per ASTM C 473.

**FIRE RESISTANT RATINGS:**

Fire Resistance Rated 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 referenced fire-resistance rated design, 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.

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Job name:	
Contractor:	Date:

## 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 glass faces, undue flexing, and damage to board edges, corners, and ends.

## WARRANTIES & REMEDIES:

Current warranty information for this product is available online at [www.PABCOgypsum.com](http://www.PABCOgypsum.com).

## LEGAL NOTICES:

PABCO® Gypsum, the PABCO® logo, what the job demands™, and MOLD CURB® Plus are trademarks or registered trademarks of Pacific Coast Building Products, Inc. and licensed to PABCO® Gypsum in the United States and other countries. Products described herein may not be available in all geographic markets. Consult your PABCO® Gypsum sales representative for information. Product features and Information subject to change without notice. Visit [www.PABCOgypsum.com](http://www.PABCOgypsum.com) for product updates and current information.

# PABCO® HIGH IMPACT

## Abuse, Mold & Water Resistant

## PRODUCT DATA, SIZES & TYPES:

Product	Thickness	Width	Length <sup>1</sup>	Edge Type	Weight <sup>2</sup>	UL Core Type
PABCO® HIGH IMPACT Type X	5/8" (15.8 mm)	48" (1219 mm)	12' (3658 mm)	Tapered	2.9 lbs/ft <sup>2</sup>	PG-5W

**PACKAGING:** 2 pieces per bundle, face-to-face, and end labeled.

<sup>1</sup> Length availability may change; other lengths may be available on a special order basis. Consult with your local PABCO® representative

<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.

## APPLICABLE STANDARDS & TECHNICAL DATA:

PABCO® High Impact Thickness	5/8"
Manufacturing:	ASTM C 1396
Installation:	Gypsum Association GA-214, GA-216 – <a href="http://www.gypsum.org">www.gypsum.org</a> ASTM C 840 – <a href="http://www.astm.org">www.astm.org</a>
Mold Resistance (ASTM D 3273):	10 (highest rating)
Surface Burning Characteristics (ASTM E 84):	Flame Spread 15; Smoke Developed 0
Combustibility (ASTM E 136):	Non-Combustible
Fire-Resistant Assemblies:	Gypsum Association GA-600, Fire Design Manual Underwriters Laboratories, UL Fire Resistance Directory
Surface Abrasion Resistance (ASTM D 4977):	Classification Level 2
Indentation Resistance (ASTM D 5420):	Classification Level 1
Soft Body Impact (ASTM E 695):	Classification Level 3
Hard Body Impact (ASTM C 1629):	Classification Level 3
Flexural Strength, Load lbf (N) (ASTM C 473): Test Method B	
Perpendicular to substrate edge	147 lbf (654 N)
Parallel to substrate edge	46 lbf (205 N)
Humidified deflection (ASTM C 473):	5/8-in (16mm)
Water absorption (ASTM C 473):	≤ 5%
Thermal resistance R value (ASTM C 518):	0.48
Composition:	100% recycled paper face, gypsum core
Material Safety Data Sheet MSDS:	MSDS available at <a href="http://www.PABCOgypsum.com">www.PABCOgypsum.com</a> , <a href="#">Technical Data</a>
Foil Application:	Foil may be applied to the back of ASTM C 1396 gypsum wallboard for the purpose of complying with ASTM C 1396 paragraph 5.1.
PABCO® Gypsum literature:	"Construction Guide: Fire & Sound Rated Systems"
Recycled Content:	Refer to PABCO® <a href="#">Sustainable Materials</a> Data Sheet for plant specific details.

Federal Specification SS-L-30D Type VII, Grade WX. The federal specification for gypsum board, SS-L-30d was withdrawn in 1984. It is provided here for informational purposes only. Note: Independent abuse testing performed by Intertek Testing Services.



### NEED HELP WITH A PROJECT OR HAVE QUESTIONS ABOUT THIS PRODUCT?

Contact the PABCO® Gypsum Technical Services Team at **(866) 282-9298**.

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