

**MANUFACTURER INFORMATION:**

PABCO® Gypsum  
a division of PABCO® building products, LLC  
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PABCO® Gypsum Specification PGS-013  
ASTM specification C 1177 Standard  
Specification for Glass-Mat Gypsum Substrate  
for Use as Sheathing

**DESCRIPTION:**

PABCO GLASS® Sheathing is comprised of a proprietary formula that provides a fire-resistant, mold-resistant and water-resistant gypsum core, that has been reinforced with glass fibers to increase its resilience. The product is encased in a mold-resistant coated fiberglass mat distinguishable by the orange colored fiberglass mat facer bearing the PABCO GLASS® Sheathing printing with a white colored fiberglass mat on the back of the panel. The coated glass mats are dimensionally stable and resists warping, rippling, buckling and sagging due to fluctuations in temperature and/or humidity. These panels feature a square edge formation with the ends cut square.

**PRIMARY USES:**

PABCO GLASS® Sheathing was developed for commercial and residential applications where the product's performance will not be compromised due to extended exposure (up to twelve (12) months) under normal weather conditions\* during construction. This product can be used as a substrate for exterior claddings such as wood siding, shingles, panel siding, vinyl or metal siding, masonry or brick veneer, conventional cement-stucco systems and Exterior Insulation and Finish Systems (EIFS). It is recommended that cladding be mechanically attached through the Sheathing into the framing. Exterior claddings and their application methods shall be the responsibility of the cladding manufacturer. Consult the local building code when a water-resistive barrier or vapor retarder is required. PABCO GLASS® Sheathing is suitable

for preliminary work prior to building enclosure when exposure resistance is required.

\*Normal weather conditions shall mean climatic normal weather with usual high and low temperatures, with occasional moderate rain and wind. Abnormal weather shall mean severe wind and/or rain, hail, cascading rain, earthquakes, tornadoes, hurricanes, floods, and similar or like conditions.

**LIMITATIONS:**

- Is designed for mechanical attachment only to the wall framing using either nails or screws.
- Construction of fire-resistance rated design assemblies shall be in accordance with the construction details specified in the referenced fire-resistance rated design. Do not use as a nailing base.
- Is not a finished surface, but a substrate that shall be covered by exterior wall cladding and is not intended for joint treatment or paint
- Is not a structural product, and not a replacement for structurally engineered Sheathing requiring shear resistance.
- 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.
- Check with local code for requirements for sealing horizontal joints.

**APPLICATION:**

PABCO GLASS® Sheathing is designed for mechanical attachment to the framing using nails or screws. PABCO GLASS® Sheathing shall be installed in accordance with the Gypsum Association publication GA-253 ([www.gypsum.org](http://www.gypsum.org)) or ASTM C 1280 ([www.astm.org](http://www.astm.org)).

# PABCO GLASS® SHEATHING

## Mold & Water Resistant

**MOLD & WATER RESISTANCE:**

PABCO GLASS® Sheathing has been engineered with special chemistries that provide enhanced water- and mold-resistant protection in gypsum panel products. 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 GLASS® Sheathing 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.

**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](http://www.iasinc.org) — 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 PABCO GLASS® are trademarks or registered trademarks of Pacific Coast Building Products, Inc. and licensed to PABCO® Gypsum in the United States and other countries. Product features and Information subject to change without notice. Visit [www.PABCOgypsum.com](http://www.PABCOgypsum.com) for product updates and current information.

# PABCO GLASS® SHEATHING

## Mold & Water Resistant

## PRODUCT DATA, SIZES & TYPES:

| Product                        | Thickness      | Width         | Length <sup>1</sup> | Edge Type | Weight <sup>2</sup> | UL Core Type |
|--------------------------------|----------------|---------------|---------------------|-----------|---------------------|--------------|
| PABCO GLASS® Sheathing Regular | 1/2" (12.7 mm) | 48" (1219 mm) | 8' (2438 mm)        | Square    | 2.0 lbs/ft²         | N/A          |
| PABCO GLASS® Sheathing Type X  | 5/8" (15.8 mm) |               |                     |           | 2.8 lbs/ft²         | PGS-WRS      |

## PACKAGING:

 Stacked & palletized

<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 GLASS® Sheathing Thickness                            | 1/2"                                                                                                                                                   | 5/8"            |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Manufacturing:                                              | ASTM C 1177                                                                                                                                            |                 |
| Installation:                                               | Gypsum Association GA-253, GA-254 – <a href="http://www.gypsum.org">www.gypsum.org</a><br>ASTM C 1280 – <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 0; Smoke Developed 0                                                                                                                      |                 |
| Combustibility (ASTM E 136):                                | Non-Combustible                                                                                                                                        |                 |
| Permeance (perms; ng/Pa.s.m²) (ASTM E 96):                  | 19.9                                                                                                                                                   | 11.9            |
| Flexural Strength, Load lbf (N) (ASTM C 473): Test Method B |                                                                                                                                                        |                 |
| Perpendicular to substrate edge                             | 100 lbf (445 N)                                                                                                                                        | 140 lbf (623 N) |
| Parallel to substrate edge                                  | 80 lbf (356 N)                                                                                                                                         | 100 lbf (445 N) |
| Humidified deflection (ASTM C 473):                         | 2/8-in (6 mm)                                                                                                                                          | 1/8" (3 mm)     |
| Water absorption (ASTM C 473):                              | <10%                                                                                                                                                   | <10%            |
| Compressive strength (psi minimum) (ASTM C 472):            | 400 psi                                                                                                                                                | 500 psi         |
| Thermal resistance R value (ASTM C 518):                    | 0.42                                                                                                                                                   | 0.7             |
| Composition:                                                | Coated fiberglass mat, 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>                                        |                 |
| 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.                                                           |                 |

## 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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