



PABCO GLASS

EXTERIOR SHEATHING

Fiberglass Reinforced Mold- & Water-Resistant
Exterior Gypsum Sheathing

ADVANTAGES:

- ◆ Designed for exterior and interior application systems.
- ◆ Proprietary formula treated gypsum core is fire resistant, mold-resistant, water-resistant, and reinforced with glass fibers to increase resilience.
- ◆ Fiberglass mat face and back provides exceptional dimensional stability with resistance to warping, rippling, buckling, and sagging.
- ◆ Non combustible, naturally fire-resistant.
- ◆ Twelve-month exposure warranty.
- ◆ Meets or exceeds ASTM C1177.
- ◆ Engineered with water- and mold-resistance, achieving the highest score possible when tested in accordance to ASTM D3273.
- ◆ Detailed specifications and product submittal on pages 2 & 3 of this document.



BUILT
PABCO Tough
TO
WEATHER™

quality
to
the core®



PABCO GLASS™ SHEATHING

Mold & Moisture Resistant

PABCO® Gypsum
a division of PABCO® building products, LLC
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Rancho Cordova, CA 95741
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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 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 (as herein defined) during construction. "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, tornados, hurricanes, floods, and similar or like conditions. PABCO GLASS™ SHEATHING is comprised of

a proprietary formula which 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 resist 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™ coated glass faced SHEATHING is designed for mechanical attachment to the outside surface of exterior wall framing using nails or screws. This product can be used as a substrate for exterior wall 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 exterior walls and cladding be mechanically attached through the sheathing into the wall framing. Notwithstanding anything contained herein, 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.

Advantages:

- Exposure: extended resistance to normal weather conditions not exceeding twelve (12) months after application.
- Mold Resistant: mitigates mold and mildew growth.
- Noncombustible: gypsum board is naturally fire-resistive.
- Dimensionally stable: resists warping, sagging, buckling.

Limitations:

- Is designed for mechanical attachment only to the exterior 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 shall be installed in accordance with the Gypsum Association publication GA-253 (www.gypsum.org) or ASTM C1280 (www.astm.org).

Mold & Water Resistance: PABCO GLASS™ SHEATHING has been engineered with water- and mold-resistant chemistries that provide enhanced water- and mold-resistant protection. 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™ coated glass faced 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 —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.)

Product Data, Sizes and Types:

Product	UL Core Type	Thickness	Width	Length ^a	Weight ^b
PABCO GLASS™	NA	1/2" (12.7 mm)	48" (1219 mm)	8' (2438 mm)	2.0 lbs/ft ²
PABCO GLASS™ type X	PGS-WRS	5/8" (15.9 mm)			2.8 lbs/ft ²

Packaging: Stacked & palletized
Edge type: Square Edge

^a Other lengths may be available on a special order basis.

Consult with your local PABCO® representative, or call PABCO Customer Service 877-449-7786

^b 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, Technical Data, & Properties:

PABCO® GLASS Sheathing thickness:	1/2"	5/8"
Manufacturing:	ASTM C1177	
Installation:	Gypsum Association GA-253, GA-254; www.gypsum.org ASTM C 1280; www.astm.org	
Mold Resistance:	ASTM D 3273, 10 (highest rating)	
Surface Burning Characteristics:	Flame Spread 0; Smoke Developed 0, ASTM E 84	
Combustibility:	ASTM E 136, Non-Combustible	
Permeance (perms; ng/Pa.s.m ²):	11.9	
Flexural Strength, Load lbf (N):		
Perpendicular to substrate edge	100	140
Parallel to substrate edge	80	100
Humidified deflection (ASTM C473):	1/8"; 3 mm	1/8"; 3 mm
Water absorption (ASTM C473):	10% max	10% max
Compressive strength (psi minimum):	400 psi	500
Thermal resistance R value:	0.45	0.7
Composition:	Coated fiberglass mat, gypsum core	
Material Safety Data Sheet MSDS:	MSDS available at www.pabco.com , Technical Data	
PABCO® Gypsum literature:	"Construction Guide: Fire & Sound Rated Systems"	
Recycled Content:	Refer to PABCO® Sustainable Materials Data Sheet for plant specific details.	

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.

Submittal Approvals:

Job name:	
Contractor:	Date:



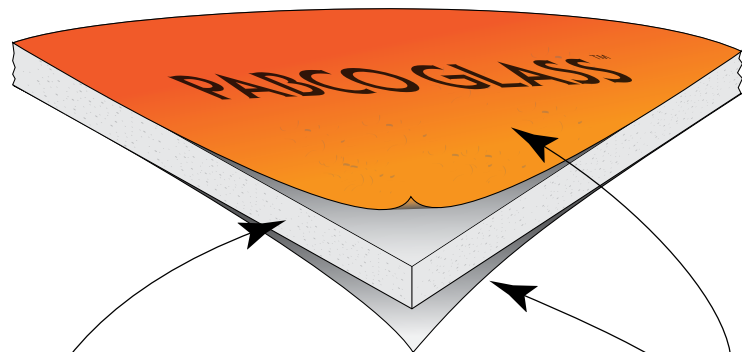
Submittal Approvals: Stamps/Signatures



Superior Court of California, San Benito County, Hollister selected PABCO GLASS™ Exterior Sheathing

*"Protecting your building,
long before protecting
the people inside."*

BUILT
PABCO Tough
TO
WEATHER™



Coated fiberglass mat on both front and back panel surfaces provide exceptional strength, resisting warping, rippling, buckling and sagging.

PABCO GLASS™ proprietary treated core providing a fire-resistant, mold-resistant & water-resistant gypsum core, reinforced with glass fibers to increase its resilience.



Technical Service • Literature • Samples
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