

MANUFACTURER INFORMATION:

PABCO® Gypsum
a division of PABCO® building products, LLC
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PABCO® Gypsum Specification PGS-014
ASTM specification C 1658 Standard
Specification for Glass Mat Gypsum Panels

DESCRIPTION:

PABCO GLASS® SHAFTLINER was developed for commercial and multi-family applications where the product's performance will not be compromised due to extended exposure (up to 12 months) under normal weather conditions during construction. PABCO GLASS® SHAFTLINER 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 coated fiberglass mat distinguishable by the orange colored fiberglass mat facer bearing the PABCO GLASS® SHAFTLINER 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 resulting from fluctuations in temperature and/or humidity. These panels feature a double beveled edge formation for ease of installation with the ends cut square.

PRIMARY USES:

PABCO GLASS® SHAFTLINER is designed for use in lining elevator shafts, and constructing lightweight effective sound attenuation fire barriers for cavity shaft walls and area separation firewalls in multifamily housing. These panels are key components in CT-Stud Cavity Shaftwall Systems as well as H-Stud Area Separation Firewall Systems that are easy to erect with fire resistance ratings that easily achieve two hours. Both solid and cavity-type area separation walls can be constructed to achieve sound transmission class (STC) ratings that exceed model building code requirements. Specific wall

system designs achieve STC ratings in excess of 60.

LIMITATIONS:

- Shaftwall/Stairwell systems are designed as non-load bearing. (NLB)
- Do not install in areas which will be adjacent to occupancies of unusually high moisture conditions.
- Provide control joints so that maximum length of continuous wall is 30 feet. Wherever possible, the wall control joints should coincide with those of the building structure.
- Where penetrations occur in the assembly, additional reinforcement at corners may be required to distribute stresses; approved flexible sealant/caulking may be required to seal around penetrations.
- Not recommended for use as an unlined HVAC supply shaft or duct.
- Limiting heights and deflection criteria should be based upon the metal stud manufacturers' recommendations.

APPLICATION:

PABCO GLASS® SHAFTLINER shall be installed in accordance with the PABCO® Gypsum C-T Shaftwall Systems guide.

MOLD & WATER RESISTANCE:

PABCO GLASS® SHAFTLINER has been engineered with water-and-mold resistant chemistries that provide enhanced water- and-mold resistant protection available 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® products scored 10, the highest level of performance for this test method. No material may be classified as mold-proof. Prolonged exposure to moisture can result

PABCO GLASS® SHAFTLINER

Mold & Water Resistant Type X

in mold and mildew growth on any surface. The use of good design, handling and construction practices are the most effective practices to manage mold and mildew. This involves avoiding water exposure during all phases of the project, such as: storage, handling and shipping in addition to product installation, 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.

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.

continued on back

Job name:	
Contractor:	Date:

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.

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 for product updates and current information.

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PRODUCT DATA, SIZES & TYPES:

Product	Thickness	Width	Length ¹	Edge Type	Weight ²	UL Core Type
PABCO GLASS® Shaftliner	1" (25.4 mm)	24" (610 mm)	8' (2438 mm)	Double Beveled	4.1 lbs/ft ²	PG-10
			12' (3658 mm)			

PACKAGING: Stacked & palletized

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

² 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® Shaftliner Thickness	1"
Manufacturing:	ASTM C 1658
Installation:	PABCO GYPSUM C-T Shaftwall Systems Guide
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
Flexural Strength, Load lbf (N) (ASTM C 473): Test Method B	
Perpendicular to substrate edge	228 lbf (1014 N)
Parallel to substrate edge	77 lbf (343 N)
Water absorption (ASTM C 473):	<10%
Thermal resistance R value (ASTM C 518):	0.83
Composition:	Coated fiberglass mat, gypsum core
Material Safety Data Sheet MSDS:	MSDS available at www.PABCOgypsum.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.



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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Visit www.QuietRock.com or call **(800) 797-8159** to speak with a product specialist.