

**MANUFACTURER INFORMATION:**

PABCO® Gypsum  
a division of PABCO® building products, LLC  
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Rancho Cordova, CA 95741  
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[www.PABCOgypsum.com](http://www.PABCOgypsum.com)

PABCO® Specification PGS-007  
ASTM specification C 1396

**DESCRIPTION:**

PABCORE® SHAFTLINER Type X panels are manufactured with a proprietary fire resistant Type X core which has been reinforced with glass fibers and specialty additives to increase its fire-resistance. This core is encased in 100% recycled water-resistant face and back paper, and features a double beveled edge for ease of installation. PABCORE® SHAFTLINER Type X is distinguishable by the light green coloration of the water-resistant paper facing. PABCORE® SHAFTLINER Type X is “classified” by Underwriters Laboratories in accordance with ASTM E 119.

**PRIMARY USES:**

PABCORE® SHAFTLINER Type X panels may be used in one and two-hour shaftwall/Stairwell systems, one and two-hour horizontal corridor ceiling systems and two-hour Area Separation Walls. Refer to the PABCO® Gypsum Shaftwall Systems publication for details.

PABCORE® SHAFTLINER Type X panels are designed for lining elevator, ventilation, and utility shafts, as well as constructing lightweight sound attenuation fire-resistant cavity shaft walls, and area separation fire walls in multifamily dwellings such as townhouses, condominiums, and apartments. These panels are key components in PABCO® Shaftwall/Stairwell and Area Separation Fire Wall (ASFW) Systems utilizing C-H, C-T Studs or H-Studs. PABCO® Shaftwall Systems are easy to erect, achieving fire-resistance ratings of one and two hours. Both solid and cavity-type area separation walls provide Sound Transmission Class (STC) ratings that exceed model building code requirements with designs that achieve STC ratings in excess

# PABCORE® SHAFTLINER

## Type X

of 60. Area Separation Fire Wall assemblies are light weight, weighing no more than 10 lbs/ft<sup>2</sup> when constructed. As a result, the need for costly footings or foundation modifications are often eliminated. Due to the relatively light weight panels, they can be installed up to four (4) stories in height.

When used as an area separation wall, the system must be:

- Continuous from the foundation to the underside of the protected roof sheathing or continue through the roof to form a parapet.
- Designed to allow for collapse of the construction on the side of the wall exposed to fire without collapse of the area separation fire wall.

**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.
- Where penetrations occur in the assembly, additional reinforcement at corners may be required to distribute stress; approved flexible sealant/caulking may be required to seal around some penetrations.
- Through penetrations are not allowed in area separation fire walls that are designed to collapse on the fire side.
- Not recommended for use as an unlined HVAC supply shaft or duct.
- Limiting heights and deflection criteria must be based upon the metal stud manufacturer’s recommendations.

**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)).

**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](http://www.iasinc.org) — 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. Exercise proper care to avoid impact, scuffing of the glass faces, undue flexing, and damage to board edges, corners, and ends.

continued on back

Job name:	
Contractor:	Date:

## 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 PABCORE® 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.

# PABCORE® SHAFTLINER

## Type X

## PRODUCT DATA, SIZES & TYPES:

Product	Thickness	Width	Length <sup>1</sup>	Edge Type	Weight <sup>2</sup>	UL Core Type
PABCORE® SHAFTLINER	1" (25.4 mm)	24" (610 mm)	8' (2438 mm)	Double Beveled	4.1 lbs/ft <sup>2</sup>	PG-10
			10' (3048 mm)			
			12' (3658 mm)			

## PACKAGING:

Stacked & Palletized

Markings: PABCORE® SHAFTLINER products are certified by a third-party inspection service. Each panel bears the Underwriters Laboratories, Inc. label to indicate certification of fire resistance, surface burning characteristics, and non-combustibility.

<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:

PABCORE® SHAFTLINER Thickness	1"
Manufacturing:	ASTM C 1396
Installation:	Gypsum Association 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>
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
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)
Thermal resistance R value (ASTM C 518):	0.83
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>
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 VI, Grade X. The federal specification for gypsum board, SS-L-30d was withdrawn in 1984. It is provided here for informational purposes only.



### 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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