

MANUFACTURER INFORMATION:

PABCO® Gypsum
a division of PABCO® building products, LLC
PO Box 419074
Rancho Cordova, CA 95741
Technical Services: 866-282-9298
www.PABCOgypsum.com

PABCO® Gypsum Specification PGS-002
ASTM specification C1396

DESCRIPTION:

The FLAME CURB® family of gypsum panel products is composed of a fire-resistant gypsum core, reinforced with glass fibers that provide increased strength and enhanced fire-resistant properties. The paper encasing the proprietary core is manufactured with 100% recycled paper and is folded around the long edges to reinforce in addition to protecting the core; the panel ends are cut square. The long panel edges are tapered, allowing a recessed joint area to be reinforced and concealed to create a monolithic surface suitable for decoration.

FLAME CURB® Type X meets or exceeds the requirements specified by ASTM under its gypsum board standard ASTM C1396 Type X.

1/2" FLAME CURB® Super 'C' is appropriate for applications requiring an enhanced fire resistance performance in a 1/2" gypsum panel. 5/8" FLAME CURB® Type C is appropriate for applications requiring the additional protection that allows single layer protection in ceiling applications. These enhanced products were developed with the addition of mineral additives integrated into the product's core to enhance the gypsum core's performance during the exposure to fire. For fire and sound rated systems it is important to consult the appropriate fire resistance directory or test report for specific components that are acceptable for use in the specific system. Systems using FLAME CURB® Type C or Super 'C' qualify for fire ratings up to 4 hours in walls, 3 hours in ceilings and 4 hours for column protection.

FLAME CURB® panels are "classified" by Underwriters Laboratories in accordance with ASTM E119 and UL 263.

FLAME CURB®

Type X, Type C, Super C

PRIMARY USES:

FLAME CURB® products are non-structural gypsum panels intended for applications: such as interior walls, ceilings, beams, and columns in residential and commercial applications which often require specific fire-resistant assemblies. FLAME CURB® Type C is appropriate for applications requiring an enhanced fire resistance performance that exceeds the Type X core formulation in fire-resistive construction. Additional applications include use as a roof underlayment per GA-276. This product is designed for direct mechanical attachment to metal or wood framing members. With the wallboard joints properly treated per GA-216 and GA-214, FLAME CURB® products will resist the passage of smoke. FLAME CURB® products are suitable for use on generic designs listed in GA-600 and in the IBC 7.21.1(1,2,7,3) tables using FLAME CURB® products of the same thickness as required by the designs.

LIMITATIONS:

- 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.
- Non-load bearing
- Avoid exposure to temperatures exceeding 125-degree F (52 degree C) for an extended period of time.
- PABCO® FLAME CURB® is a non-structural panel, not 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 FLAME CURB® Type C, or Super 'C' gypsum panels in fire or sound rated systems shall be installed as specified in the applicable test report.

APPLICATION:

PABCO® Gypsum endorses the Gypsum Association's publications GA-214, GA-216 (www.gypsum.org) and ASTM Standard Specification C840 (www.astm.org) as its application and finishing specifications. The specifications provide detailed instructions on the standard application of gypsum panels and proper joint finishing procedures. For fire and sound rated systems it is important that you consult the appropriate fire resistance directory, manual or test report for complete assembly documentation and related information. These systems must be installed in strict compliance with the detailed fire test assembly description, including core types and other accessory components such as studs, fasteners spacing and fastener type and installed as tested. To qualify for listed sound ratings, special caulking, insulation or clips are generally added to the systems as detailed in the test report.

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 ensure that each component of the specified assembly is as 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.

continued on back

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 and/or scuffing of the glass faces, undue flexing, and damage to panel's 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 FLAME CURB® 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 for product updates and current information.

NEED HELP WITH A PROJECT OR HAVE QUESTIONS ABOUT THIS PRODUCT?
Contact the PABCO® Gypsum Technical Services Team at **(866) 282-9298**.

ACHIEVE HIGH STC DESIGNS LIKE NEVER BEFORE WITH QUIETROCK!
Visit www.QuietRock.com or call **(800) 797-8159** to speak with a product specialist.

FLAME CURB®

Type X, Type C, Super C

PRODUCT DATA, SIZES & TYPES:

Product	Thickness	Width	Length ¹	Edge Type	Weight ²	UL Core Type
Super C	1/2" (12.7 mm)	48" (1219 mm)	12' (3658 mm)	Tapered	2.0 lbs/ft ²	PG-C
Type X	5/8" (15.8 mm)	48" (1219 mm)	8' - 12' (2438 mm to 3658 mm)	Tapered, Round	2.2 lbs/ft ²	PG-11
Type X	5/8" (15.8 mm)	54" (1372 mm)	8' - 12' (2438 mm to 3658 mm)	Tapered	2.2 lbs/ft ²	PG-11
Type C	5/8" (15.8 mm)	48" (1219 mm)	12' (3658 mm)	Tapered	2.4 lbs/ft ²	TYPE C
Type X	3/4" (19.05 mm)	48" (1219 mm)	12' (3658 mm)	Tapered	3.0 lbs/ft ²	PG-13

PACKAGING: 2 pieces per bundle, face-to-face, and end labeled. 3/4" packaged as single panels stacked face up.

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

²Represents 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:

FLAME CURB® Thickness	1/2"	5/8"	3/4"
Manufacturing:	ASTM C 1396		
Installation:	Gypsum Association GA-214, GA-216 – www.gypsum.org ASTM C 840 – www.astm.org		
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		
Permeance (perms; ng/Pa.s.m ²) (ASTM E 96):	> 1	> 1	> 1
Flexural Strength, Load lbf (N) (ASTM C 473): Test Method B			
Perpendicular to substrate edge	110 lbf (489 N)	147 lbf (654 N)	167 lbf (743 N)
Parallel to substrate edge	36 lbf (160 N)	46 lbf (205 N)	56 lbf (249 N)
Humidified deflection (ASTM C 473):	10/8" (32 mm)	5/8" (16 mm)	5/8" (16 mm)
Thermal resistance R value (ASTM C 518):	0.45	0.48	0.64
Composition:	100% recycled paper face, gypsum core		
Safety Data Sheet SDS:	SDS available at www.PABCOgypsum.com , Technical Data		
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® Sustainable Materials Data Sheet for plant specific details.		

Federal Specification SS-L-30D Type III, Grade X. For Type C products should the Grade for the Federal Spec be "R". The federal specification for gypsum board, SS-L-30d was withdrawn in 1984. It is provided here for informational purposes only.