



# FLAME CURB®

## Type X, Type XXX, Type C Gypsum Wallboard

PABCO® Gypsum  
a division of PABCO® building products, LLC  
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PABCO® Gypsum Specification PGS-002  
ASTM specification C 1396  
Available in MOLD CURB® Plus type X



### Description:

PABCO® FLAME CURB® gypsum wallboard is a family of gypsum panel products composed of a fire-resistant gypsum core, reinforced with glass fibers which provides increased strength and enhanced fire-resistant properties. The face paper is folded around the long edges to reinforce as well as to protect 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 wall or ceiling surface suitable for decoration.

PABCO® 5/8" FLAME CURB® type X and 1/2" FLAME CURB® type XXX meet and/or exceed the requirements specified by ASTM under its wallboard standard ASTM C 1396 type-X. FLAME CURB® Super 'C', in thicknesses of 1/2" and 5/8", exceed all of these previously mentioned "classified" core formulations in fire-resistance performance. (Systems are specifically tested at approved laboratories (see listing under Application) using these various core formulas, and those systems which successfully pass the stringent fire tests are approved for construction and are listed in the fire testing lab directory or in the Gypsum Association Fire Resistance Design Manual GA-600).

PABCO® FLAME CURB® is manufactured with 100% recycled paper on face and back sides, affording a surface designed to receive joint treatment, paint, wall covering, or textured coatings.



### Primary Uses:

PABCO® FLAME CURB® is a non-structural wall covering material for interior walls, ceilings, and partitions in residential and commercial applications which often require specific fire-resistant assemblies. 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, PABCO® FLAME CURB® will resist the passage of smoke.



### Limitations:

PABCO® FLAME CURB® is 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. Avoid exposure to temperatures exceeding 125 °F (52 °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 PABCO® FLAME CURB® type X, XXX, or Super 'C' gypsum panels in Fire or Sound Rated systems shall be as specified in the applicable specific test report.



### Application:

PABCO® Gypsum endorses the Gypsum Association's publication GA-216 and ASTM Standard Specification C 840 as its application documents, which provide detailed instructions on the standard application of wallboard panels and proper joint finishing procedures.

PABCO® FLAME CURB® systems must be installed in strict compliance with the detailed fire test assembly description, including core types and other components such as studs, fastener spacing and fasteners required, and applied 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.

Those systems that have been fire and sound tested are listed in the following:

- Gypsum Association "Fire Resistance Design Manual" (GA-600).
- PABCO® Gypsum Quality to the Core® Brochure (see PABCO® Gypsum website).
- ICC: ESR 1338.
- UL "Fire Resistance Directory".
- ITS, NGTS, NRC, RAL, SWRi, UL, or WFCi Test Reports.

Finishing of joints, wall or ceiling surfaces, and covering fasteners, is addressed in GA-214, GA-216, and ASTM C 840.



## Product Data: Sizes and Types

Product	UL Core Type	Edge Type <sup>1</sup>	Thickness <sup>2</sup>	Width <sup>2</sup>	Length <sup>3</sup>	Weight <sup>4</sup>
Type XXX	PG-3	TE	1/2"	48"	8', 12'	1.9 lbs/ft <sup>2</sup>
Super C	PG-C	TE	1/2"	48"	12'	2.0 lbs/ft <sup>2</sup>
Type X	PG-11	TE & RE <sup>1</sup>	5/8"	48" & 54"	8'-12'	2.2 lbs/ft <sup>2</sup>
Super C	TYPE C	TE	5/8"	48"	12'	2.4 lbs/ft <sup>2</sup>

Packaging: 2 pieces per bundle, face-to-face, and end labeled.

<sup>1</sup> Edge types: Tapered Edge (TE). Round Edge (RE) is available (only) on FLAME CURB® 5/8" x 48" widths.

<sup>2</sup> Units of measure: inches.

<sup>3</sup> Units of measure: feet. Other lengths may be available on a special order basis. Refer to PABCO's "Products-Packaging-Weights" page. Consult with your local PABCO® representative, or call PABCO® Technical Assistance.

<sup>4</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, or call PABCO® Technical Assistance.



## Applicable Standards & Reference Documents:

Manufacturing:	ASTM C 1396; <a href="http://www.astm.org">www.astm.org</a> Federal Specification SS-L-30D Type III, Grade X *
Installation:	Gypsum Association GA-216, GA-214; <a href="http://www.gypsum.org">www.gypsum.org</a> ASTM C 840, <a href="http://www.astm.org">www.astm.org</a>
Fire-Resistant Assemblies:	Gypsum Association GA-600, Fire Design Manual Underwriters Laboratories, UL Fire Resistance Directory
Surface Burning Characteristics:	ASTM E 84; UL: Fire Resistance Directory Flame Spread 15, Smoke Developed 0
Non-Combustible:	ASTM E 136, <a href="http://www.astm.org">www.astm.org</a>
R value:	1/2" = 0.45; 5/8" = 0.48 Thermal Resistance
VOC/Asbestos content:	Free of VOC (Volatile Organic Compound) & asbestos
Material Safety Data Sheet:	MSDS available at <a href="http://www.pabcohypsum.com">www.pabcohypsum.com</a> , Technical Data
PABCO Gypsum:	"Construction Guide - Fire & Sound Rated Systems"
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.
Recycled Content:	Refer to PABCO® Sustainable Materials Data Sheet for plant specific details.
Please check our website at <a href="http://www.pabcohypsum.com">www.pabcohypsum.com</a> for the latest edition of this specification.	

\* The federal specification for gypsum board, SS-L-30d was withdrawn in 1984. It is provided here for informational purposes only.



## 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, 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 paper faces, undue flexing, and damage to board edges, corners, and ends.



## Fire Resistant Ratings:

Fire Resistance Rated assembly 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 test report, 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.)

## Submittal Approvals:

Job name:		
Contractor:		Date:

**Limited Warranty:** PABCO® Building Products, LLC, warrants that on the date the gypsum board is shipped from its manufacturing plant the gypsum board is free from defects in materials and manufacture. NOTWITHSTANDING THE FOREGOING, IT IS THE RESPONSIBILITY OF THE GYPSUM BOARD APPLICATOR TO NOTIFY PABCO BUILDING PRODUCTS, LLC, IN WRITING WITHIN TWENTY FOUR (24) HOURS OF DISCOVERY OF ANY VISIBLY DEFECTIVE GYPSUM BOARD PRIOR TO SUCH VISIBLY DEFECTIVE GYPSUM BOARD BEING APPLIED; FAILURE TO DO SO MAY FURTHER LIMIT OR VOID THE RESPONSIBILITIES OF PABCO BUILDING PRODUCTS, LLC, UNDER THIS WARRANTY. This warranty will remain in place for one year from the date of shipment from the manufacturing plant. THIS EXPRESS WARRANTY IS THE EXCLUSIVE WARRANTY PROVIDED BY PABCO® BUILDING PRODUCTS, LLC, AND SUPERSEDES ANY PRIOR, CONTRARY OR ADDITIONAL REPRESENTATIONS, WHETHER ORAL OR WRITTEN. PABCO® BUILDING PRODUCTS, LLC, HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES – WHETHER EXPRESS, IMPLIED, OR STATUTORY – INCLUDING ANY WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM COURSE OF DEALING OR USAGE OF TRADE.

If the gypsum board fails to conform to the foregoing warranty in Paragraph 1 and such nonconformity is not due to misuse or improper maintenance or storage, Buyer shall notify PABCO® Building Products, LLC, in writing, and within 60 days of discovery, PABCO® Building Products, LLC, shall provide, at its sole and absolute discretion, one of the following: (i) repair or replacement of any nonconforming or defective gypsum wallboard; or (ii) credit or full refund of the purchase price. THIS REMEDY SHALL BE THE EXCLUSIVE AND SOLE REMEDY OF BUYER FOR ANY BREACH OF WARRANTY.

IN NO EVENT SHALL PABCO® BUILDING PRODUCTS, LLC, BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE, OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT OR FROM NEGLIGENCE OR OTHER TORT. This exclusion applies regardless of whether such damages are sought for breach of warranty, breach of contract, negligence, or strict liability in tort or under any other legal theory.

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