



COMPLIANCE TESTED by berkeley analytical

VOC Emission Test Certificate

Product Name: 5/8" FLAME CURB® Type C

Product Sample Information		Certificate Information	
Company:	PABCO Gypsum	Certificate No:	181019-03
Company Website:	www.pabco gypsum.com	Certified By:	 Raja S. Tannous, Laboratory Director
Product Type:	Wallcoverings	Date:	October 19, 2018
Date Produced:	9/18/2018		

Reference Standard: California Department of Public Health CDPH/EHLB/Standard Method Version 1.2, 2017 (Emission testing method for CA Specification 01350)

Acceptance Criteria and Results Demonstrating Compliance of Product Sample to Referenced Standard:

Exposure Scenario ¹	Individual VOCs of Concern ²		Formaldehyde ³		TVOC ⁴
	Criterion	Compliant?	Criterion	Compliant?	Range
School Classroom	≤½ Chronic REL	YES	≤9.0 µg/m ³	YES	≤ 0.5 mg/m ³
Private Office	≤½ Chronic REL	YES	≤9.0 µg/m ³	YES	≤ 0.5 mg/m ³

Product Coverage⁵: Not applicable

1. Exposure scenarios & product quantities for classroom & office are defined in Tables 4-2 – 4-5 (CDPH Std. Mtd. V1.2-2017)
2. Maximum allowable concentrations of individual target VOCs are specified in Table 4-1 (*ibid.*)
3. Maximum allowable formaldehyde concentration is ≤9 µg/m³, effective Jan 1, 2012; previous limit was ≤16.5 µg/m³ (*ibid.*)
4. Informative only; predicted TVOC Range in three categories, i.e., ≤0.5 mg/m³, >0.5 – 4.9 mg/m³, and ≥5.0 mg/m³
5. Informative and applicable only to tests of wet-applied products; grams of sample applied per square meter of substrate

Standards & Codes Recognizing CDPH Standard Method V1.2 (partial list)

- USGBC LEED Version 4, BD&C, ID&C
- The WELL Building Standard
- ANSI/GBI 01, Green Building Assessment Protocol
- Green Guide for Healthcare V2.2

Narrative: PABCO Gypsum selected a sample representative of its 5/8" FLAME CURB® Type C gypsum board product and submitted it on 9/27/2018 for testing. Berkeley Analytical measured and evaluated the emissions of VOCs from this sample following CDPH/EHLB/Standard Method V1.2-2017. The results of the test are presented in Berkeley Analytical report, 418-020-02A-Oct1918.

Berkeley Analytical is an independent, third-party laboratory specializing in the analysis of organic chemicals emitted by and contained in building products, finishes, furniture, and consumer products. We are an ISO/IEC 17025 accredited laboratory (IAS, [TL-383](#)); all standards used in performing this test are in Berkeley Analytical's scope of accreditation.

DISCLAIMER: THIS CERTIFICATE OF COMPLIANCE AFFIRMS THAT: 1) A SAMPLE OF THE LISTED PRODUCT WAS TESTED ACCORDING TO THE REFERENCED STANDARD; 2) THE MEASURED VOC EMISSIONS FROM THE SAMPLE WERE EVALUATED FOR THE DEFINED EXPOSURE SCENARIO(S); AND 3) THE RESULTS MEET THE ACCEPTANCE CRITERIA OF THE REFERENCED STANDARD(S). BERKELEY ANALYTICAL IS NOT RESPONSIBLE FOR ANY CLAIMS REGARDING A PRODUCT OR PRODUCTS ENTERED INTO COMMERCE THAT MAY BE BASED ON THIS TEST. BERKELEY ANALYTICAL PROVIDES THIS CERTIFICATE OF COMPLIANCE "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE.

RE: CDPH VOC Emission Certification for PABCO® Gypsum Family of Products

To Whom It May Concern:

PABCO® Gypsum manufactures all products from naturally occurring calcium sulfate dihydrate ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) to meet or exceed the appropriate ASTM Standard. PABCO® Gypsum's FLAME CURB® family of gypsum panels are manufactured to meet or exceed the requirements of ASTM C1396 *Standard Specification for Gypsum Board* and include the following products:

- 1/2" FLAME CURB® Type C
- 5/8" FLAME CURB® Type X
- 5/8" FLAME CURB® Type C
- 5/8" PABCO® Exterior Soffit Type X
- 5/8" PABCO® Exterior Soffit Type C

When testing per CHPD for VOC emissions, we send 5/8" FLAME CURB® Type C as it is the panel that represents the "worst case" for the family. Please allow the VOC Emission Test Certificate issued by Berkeley Analytical for 5/8" FLAME CURB® Type C to also serve as certification for the entire family of FLAME CURB® products.

If there is anything further that I can assist with, please do not hesitate to ask.

Thank you.

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