



# COMPLIANCE TESTED by berkeley analytical

## VOC Emission Test Certificate

**Product Name: QuietSeal® Pro**

| Product Sample Information |                      | Certificate Information |   |
|----------------------------|----------------------|-------------------------|---|
| Company:                   | PABCO Gypsum         | Certificate No:         | 231110-03   |
| Company Website:           | www.pabco gypsum.com | Certified By:           | <br>Raja S. Tannous, Laboratory Director |
| Product Type:              | Joint Sealer         | Date:                   | November 10, 2023   |
| Date Produced:             | 9/11/2023            |                         |   |

**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 <sup>1</sup> | Individual VOCs of Concern <sup>2</sup> |            | Formaldehyde <sup>3</sup> |            | TVOC <sup>4</sup>       |
|--------------------------------|---|------------|---------------------------|------------|-------------------------|
|                                | Criterion                               | Compliant? | Criterion                 | Compliant? |                         |
| School Classroom               | ≤½ Chronic REL                          | YES        | ≤9.0 µg/m <sup>3</sup>    | YES        | ≤ 0.5 mg/m <sup>3</sup> |
| Private Office                 | ≤½ Chronic REL                          | YES        | ≤9.0 µg/m <sup>3</sup>    | YES        | ≤ 0.5 mg/m <sup>3</sup> |

**Product Coverage<sup>5</sup>:** 9013 g/m<sup>2</sup> (non-full spread application – see attached letter)

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/m<sup>3</sup>, effective Jan 1, 2012; previous limit was ≤16.5 µg/m<sup>3</sup> (*ibid.*)
4. Informative only; predicted TVOC Range in three categories, i.e., ≤0.5 mg/m<sup>3</sup>, >0.5 – 4.9 mg/m<sup>3</sup>, and ≥5.0 mg/m<sup>3</sup>
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 4/4.1, BD&C, ID&C, Residential BD&C Multifamily
- The WELL Building Standard, WELL v2, Feature X06
- ANSI/GBI 01-2019 Green Globes Assessment Protocol

**Narrative:** PABCO Gypsum selected a sample representative of its QuietSeal® Pro - an acoustical sealant product and submitted it on 10/19/2023 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, 418-032-03A-Nov1023.

**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.



October 27, 2023

Subject: RE: VOC Emission Testing; CDPH Standard Method V1.2; non-full spread application calculations

Below are the rational and the calculations for quantity of Quiet Seal Pro® product by QuietRock® by PABCO Gypsum, that would be used in the standard school classroom and the standard private office defined in CDPH Standard Method V1. 2.

Classroom:

At ¼" bead thickness, one tube (28 oz or 3 lbs) of Quiet Seal Pro provides 88 linear feet.

Application of ¼" bead of Quiet Seal Pro along the perimeter of the walls in a class room with dimensions specified below would require,

40' long side=  $40 \times 4 = 160$  ft

24' wide side =  $24 \times 4 = 96$  ft

8.5' high =  $8.5 \times 4 = 34$  ft

Total bead length = 290 linear ft

Total number of tubes =  $290/88 = 3.40 \times 3$  (weight of Quiet Seal Pro/tube) = 10.2 lbs

Office:

Application of ¼" bead of QuietSeal Pro along the perimeter of the walls in an office with dimensions specified below would require,

12' long side=  $12 \times 4 = 48$  ft

10' wide side =  $10 \times 4 = 40$  ft

9' high =  $9 \times 4 = 36$  ft

Total bead length= 124 linear ft

Total number of tubes =  $124/88 = 1.41 \times 3$  (weight of QuietSeal Pro/tube) = 4.2 lbs

## *Sunder Ram*

Sunder Ram, Ph.D.  
Sr. R&D Staff Member



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