



# COMPLIANCE TESTED by berkeley analytical

## VOC Emission Test Certificate

**Product Name: Titebond Acoustical Smoke & Sound Sealant - 8001**

Product Sample Information		Certificate Information	
Company:	Franklin International	Certificate No:	240326-02
Company Website:	www.franklininternational.com	Certified By:	 Raja S. Tannous, Laboratory Director
Product Type:	Acoustical Sealant	Date:	March 26, 2024
Date Produced:	12/12/2023		

**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 - 4.9 mg/m <sup>3</sup>
Private Office	≤½ Chronic REL	YES	≤9.0 µg/m <sup>3</sup>	YES	> 0.5 - 4.9 mg/m <sup>3</sup>

**Product Coverage<sup>5</sup>:** 9050 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:** Franklin International selected a sample representative of its Titebond Acoustical Smoke & Sound Sealant - 8001 product and submitted it on 2/21/2024 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, 338-064-01A-Mar2624.

**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.

# **Franklin International**

February 13, 2024

RE: VOC Emission Testing; CDPH Standard Method V1.2; Titebond Acoustical Smoke & Sound Sealant application calculations

Below are the rationale and the calculations for quantity of Titebond Acoustical Smoke & Sound Sealant that would be used in the standard classroom and standard private office defined in CDPH Standard Method V1.2.

## **Classroom - Room size is 40 feet long x 24 feet wide**

Since this is an interior sealant, application is assumed to be sealing baseboard trim (1 bead), crown molding (2 beads), and around an 80" x 32" door and four 48" x 36" windows (1 bead around 2 sides and top of the door and 1 bead completely around each of the four windows) in a classroom.

**Total linear feet of sealant required is 454 feet. One 28 oz. cartridge seals 86 linear feet using a ¼" bead, so 5.28 cartridges are needed per classroom, meaning 147.84 oz. or 1.16 gallons of sealant**

One gallon of adhesive weighs 13 lb.

1.16 gallons x 13 lb./gallon = **15.08 lb. of sealant used in the classroom.**

## **Office – Room size is 12 feet long x 10 feet wide**

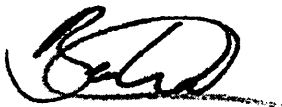
Since this is an interior sealant, application is assumed to be sealing baseboard trim (1 bead), crown molding (2 beads), and around an 80" x 32" door and two 48" x 36" windows (1 bead around 2 sides and top of the door and 1 bead completely around each of the windows) in the office room.

**Total linear feet of sealant required is 174 feet. One 28 oz cartridge of this sealant seals on average 86 linear feet using a ¼" bead so 2.02 cartridges are needed per office, meaning 56.56 oz. or 0.44 gallons.**

0.44 gallons x 13 lb./gallon = **5.72 lb. of sealant used in the office.**

I hope this information meets your needs. Please let me know if you have any additional questions or concerns.

Regards,



Ben Ward  
Franklin International