



# COMPLIANCE TESTED by berkeley analytical

## VOC Emission Test Certificate

**Product Name: Seal Bond 435**

Product Sample Information		Certificate Information	
Company:	Seal Bond	Certificate No:	221020-09
Company Website:	www.seal-bond.com	Certified By:	 Raja S. Tannous, Laboratory Director
Product Type:	Plenum sealant (see attached company letter)	Date:	October 20, 2022
Date Produced:	7/15/2022		

**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>:** 9130 g/m<sup>2</sup> (non-full spread adhesive sealant, see attached company 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:** Seal Bond selected a sample representative of its SB 435-Grey - 30.520.10 product and submitted it on 9/20/2022 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, 776-005-01A-Oct2022.

**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.



November 9, 2022

**Subject:** Seal Bond SB-435 Plenum Sealant application for CDPH Standard Method V1.2 modeling scenarios

**Product Use and Application:**

This product will be used to seal the joints and seams of underfloor HVAC intake/supply plenums.

1. SB 435 has a weight per gallon of 12.5 to 13 lbs /gallon.
2. A 5/16" bead is recommended for application at all joints and openings in the plenum.
3. Joints and openings primarily include the perimeter of the raised access flooring system and the penetrations in the floor.

**Basis for Determining Worst-case Product Use:**

**Standard School Classroom**

Assume as a realistic worst case that the 24-ft by 40-ft school classroom requires 128 lineal feet of a 5/16" bead plus an additional 50% for all floor penetrations totaling 192 lineal feet of sealant.

**Standard Private Office**

Assume as a realistic worst case that the 10-ft by 12-ft private office requires 44 lineal feet of a 5/16" bead plus an additional 50% for all floor penetrations totaling 66 lineal feet of sealant.

**Submitted by:**

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