



COMPLIANCE TESTED by berkeley analytical

VOC Emission Test Certificate

Product Name: Titebond Contractor Grade Subfloor Adhesive - 3635

Product Sample Information		Certificate Information	
Company:	Franklin International	Certificate No:	230908-08
Company Website:	www.franklininternational.com	Certified By:	 Raja S. Tannous, Laboratory Director
Product Type:	Floor Coatings or Adhesives	Date:	September 8, 2023
Date Produced:	6/8/2023		

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 ¹	Individual VOCs of Concern ²		Formaldehyde ³		TVOC ⁴
	Criterion	Compliant?	Criterion	Compliant?	
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: 4970 g/m² (See manufacturer’s letter attached for non-full spread application)

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 4/4.1, 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 Contractor Grade Subfloor Adhesive - 3635 product and submitted it on 8/11/2023 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, 338-062-01A-Sep0823.

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

8/7/2023

To Whom It May Concern:

RE: VOC Emission Testing; CDPH Standard Method v1.2; non-full spread adhesive/sealant application calculations

Below are the rational and the calculations for quantity of Titebond Contractor Grade Subfloor adhesive that would be used in the standard school classroom and the standard private office defined in CDPH Standard Method v1.2.

Classroom – floor size 40 feet x 24 feet.

Assume joists 16 inches on center across the 24-foot section. Therefore joists would be 24 feet long. 40-foot section divided by 16 inches = 30 joists + 1 end joist = 31 joists at 24 feet long = 744 linear feet at ¼ inch bead.

One cartridge = 86 feet, therefore total cartridges = 8.65 cartridges x 28 oz per cartridge = 242.2 fluid ounces = 1.89 gallons = 20.03 lbs.

Office – floor size 12 feet x 10 feet.

Assume joists 16 inches on center across the 10-foot section. Therefore joists would be 10 feet long. 12-foot section divided by 16 inches = 9 joists + 1 end joist = 10 joists at 10 feet long = 100 linear feet at ¼ inch bead.

One cartridge = 86 feet, therefore total cartridges = 1.16 cartridges x 28 fl oz per cartridge = 32.48 fluid ounces = 0.25 gallons = 2.65 lbs.

Sincerely,



Ben Ward
Product Safety and Compliance Specialist
Franklin International

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