

| Acrovyn® 4000 VOC Emissions Testing Profiles



## COMPLIANCE TESTED by berkeley analytical

### VOC Emission Test Certificate

**Product Name: Acrovyn 4000 Profile**

**Product Sample Information**

Manufacturer:	Construction Specialties Inc.
Manf. Website:	www.c-sgroup.com
CSI Category & No.:	Wall and Door Protection (10 26 00)
Date Produced:	11/12/2015

**Certificate Information**

Certificate No:	151204-02
Certified By:	 Raja S. Tannous, Laboratory Director
Date:	December 4, 2015

**Reference Standard:** California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010  
(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?	Range
School Classroom	≤ 1/2 Chronic REL	YES	≤ 9.0 µg/m <sup>3</sup>	YES	≤ 0.5 mg/m <sup>3</sup>
Private Office	≤ 1/2 Chronic REL	YES	≤ 9.0 µg/m <sup>3</sup>	YES	≤ 0.5 mg/m <sup>3</sup>

**Product Coverage<sup>5</sup>:** Not applicable

1. Exposure scenarios & product quantities for classroom & office are defined in Tables 4-2 – 4-5 (CDPH Std. Mtd. V1.1-2010)  
 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 V1.1 (partial list)**

- USGBC LEED CI, NC, Schools, Healthcare, 2009
- USGBC LEED Version 4, BD&C, ID&C, 2013
- Collaborative for High Performance Schools (CHPS), National Core Criteria, 2013
- Green Guide for Healthcare, V2.2, 2007
- ANSI/GBI 01-2010, Green Building Assessment Protocol

**Narrative:** Construction Specialties Inc. selected a sample, HRB-4CN, representative of its Acrovyn 4000 Profile product and submitted it on 10/30/2015 for testing. Berkeley Analytical measured and evaluated the emissions of VOCs from this sample following CDPH/EHLB/Standard Method V1.1-2010. The results of the test are presented in Berkeley Analytical report, 228-015-01AA-Dec0415.

**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, [T1-383](#)); 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,

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