

Manufacturer's Certificate of Compliance – VOC emissions

CertainTeed Ceilings certifies that the related products noted below are of similar manufacturing process and formulation as the product that was tested by the independent testing laboratory, Berkeley Analytical on September 12, 2012.

Tested product: VOC Compliant Symphony® f

Products of similar manufacturing and formulation: Rx Symphony® f

The test sample noted was provided for testing as representative of a CertainTeed Ceilings' VOC Compliant Symphony f ceiling panels. Berkeley Analytical measured and evaluated the emissions of volatile organic compounds (VOCs) from this sample according to California Department of Health Services "*Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers*" (aka, chamber testing portion of CA Section 01350 or CDPH/EHLB/Standard Method V1.1-2010). The details of the testing and performance are presented in Berkeley Analytical laboratory report, 281-014-01A-Sep1212. The Certificate of Compliance pursuant to that laboratory report is attached. The actual report is available upon request.

The testing results are compliant with emission requirements for VOCs in classroom and office environments as defined by the above referenced protocol. Because of the similarity of manufacturing and formulation between the tested product and those also noted above and because of the quality controls placed upon those processes, all products listed above will meet the VOC emission requirements as defined in the standard.

Dated: December 1, 2012



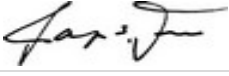
Robert L. Marshall
Manager, Marketing Technical Services
CertainTeed Ceilings



COMPLIANCE TESTED by berkeley analytical

VOC Emission Test Certificate

Product Name: VOC Compliant Symphony f

Product Sample Information		Certificate Information	
Manufacturer:	CertainTeed Ceilings Corporation	Certificate No:	120912-02
Manf. Website:	www.certainteed.com	Certified By:	
CSI Category & No.:	Acoustical Panel Ceilings (09 51 13)		Raja S. Tannous, Laboratory Director
Date Produced:	8/21/2012	Date:	September 12, 2012

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 ¹	Individual VOCs of Concern ²		Formaldehyde ³	
	Criterion	Compliant?	Criterion	Compliant?
School Classroom	≤½ Chronic REL	YES	≤9.0 µg/m ³	YES
Private Office	≤½ Chronic REL	YES	≤9.0 µg/m ³	YES

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/m³, effective Jan 1, 2012; previous limit was ≤16.5 µg/m³ (*ibid.*).

Potential Applications

- CALGreen, CA Code of Regulations Title 24, Part II, 2010, Section A5.504.4.9: Acoustical Ceilings & Wall Panels
- ANSI/ASHRAE/USGBC/IES Standard 189.1-2009, Section 8.4.2.6: Ceiling & Wall Systems
- USGBC LEED for Healthcare, 2009 (Feb 2011), IEQ Credit 4: LEM, Group 2 - Wall & Ceiling Finishes
- USGBC LEED for Schools, 2009, IEQ Credit 4.6: LEM - Ceiling & Wall Systems
- Collaborative for High Performance Schools (CHPS) rating system, 2009 Criteria EQ2.2.6: Ceiling & Wall Systems
- Green Guide for Healthcare, V2.2, 2007, EQ Credit 4.2: LEM - Wall & Ceiling Finishes

Narrative: CertainTeed Ceilings Corporation selected a sample representative of its VOC Compliant Symphony f product and submitted it for testing commencing on 8/22/2012. 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, 281-014-01A-Sep1212.

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) the product sample was tested according to the referenced standard; 2) the measured VOC emissions were evaluated for the defined exposure scenario(s); and 3) the results meet the acceptance criteria of the referenced standard(s). Potential applications of the test and this certificate are suggested. 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.