



COMPLIANCE TESTED by berkeley analytical

VOC Emission Test Certificate

Product Name: Shock-Crete SR

Product Sample Information		Certificate Information	
Company:	Carboline Global, Inc.	Certificate No:	240718-02
Company Website:	www.carboline.com	Certified By:	 Raja S. Tannous, Laboratory Director
Product Type:	Floor Coatings or Adhesives	Date:	July 18, 2024
Date Produced:	June 1, 2024		

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?	Range
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: 9520 g/m² (four-part self-leveling cementitious floor coating) – 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/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: Carboline selected a sample representative of its Shock-Crete SR product and submitted it on 6/27/2024 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, 904-031-01A-Jul1824.

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.



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July 15, 2024

Berkeley Analytical Associates, LLC
815 Harbour Way South, Suite 6
Richmond, CA 94804-3614
Phone: 510-236-2325

Re: VOC Emission Testing; CDPH Standard Method V1.2; Application Calculations

To Whom It May Concern,

Regarding our product Shock-Crete SR being submitted for CDPH/EHLB/Standard Method V1.2. testing:

This is a 4-part Self-Leveling Cementitious Urethane Floor Coating.

These must be mixed at a ratio of 30% Resin, 30% Hardener, 20% Filler, and 20% Pigment.

The enclosed samples represent enough material to cover ~ 4 square feet when applied at a film thickness of 3/16". Application can be done by paint roller (recommend a 3.5 – 4.5" roller for an area of < 4 ft². Shock-Crete SR, applied on 6/25/2024, 14:30.

This material requires a 6-day curing period for full cure after application. Please account for this extra cure time.

SDS's are enclosed for these materials.

Please Let me know if you have any additional questions.

Sincerely,

Tom Brown | Technical Service Engineer
Carboline Global Inc.
thomas.brown@carboline.com