

**CONTACT**

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**MANUFACTURER'S CERTIFICATE OF COMPLIANCE: VOC EMISSIONS**

Lyndhurst, October 2, 2023

To whom it may concern,

Sikaflex®-1A has been tested according to California Department of Public Health (CDPH) Standard Method v1.2–2017 and complies with the VOC limits in Table 4-1 of the method. Additionally, the range of total VOCs (TVOC) after 14 days (336 hours) was measured as specified in the CDPH Standard Method v1.2 and is reported as  $\leq 0.5$  mg/m<sup>3</sup>. The testing results are compliant with the emission requirements for VOCs in school classroom and private office exposure scenarios.

Sika Corporation manufactures Sikaflex®-1A in its Lyndhurst, NJ facility along with other one component moisture curing polyurethane sealants that are formulated using the same set of raw materials. While there may be minor difference in the exact composition in these different formulations, the raw materials from which they are produced remains the same. The list below represents the sealants that are currently produced at the Lyndhurst facility.

Sikaflex®-1A	Sikaflex®-15 LM
Sikaflex® Construction Sealant	Sikaflex®-11 FC
Sikaflex® + Construction Sealant	Sikaflex®-102 EverFlash Membrane
Sikaflex® Concrete Fix	Sikaflex®-1c SL
Sikaflex® + Concrete Fix	Sikaflex® Self-Leveling Sealant
Sikaflex® Textured Sealant	Sikaflex® + Self-Leveling Sealant
Sikaflex® Mortar Fix	Sikaflex® Crack Flex Sealant
Sikaflex® + Mortar Fix	Sikaflex® + Crack Flex Sealant

Sika Corporation choose to test Sikaflex®-1A for CPHD Standard Method v1.2-2017 as it is the formulation with the highest VOC content, as measured by EPA Method 24, of the products listed above. As Sikaflex®-1A represents the worst-case scenario of VOC content it is Sika's

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determination that all the other sealants in the list above would have less VOC and therefore, lower values for CPHD Method v1.2-2017. Based on the above information Sika Corporation can certify that all of the products above will meet the requirements of CPHD Standard Method v1.2-2017.

The details of the testing and performance are presented in the Berkeley Analytical laboratory report 991-017-01A-Jul1323. The Certificate of Compliance pursuant to the laboratory report is attached. The actual report is available upon request.

The green building standards and codes which recognize CDPH Standard Method v1.2 include but are not limited to: USGBC LEED version 4/4.1 BD&C, ID&C, Residential BD&C Multifamily); The WELL Building Standard, WELL v2, Feature X06; and ANSI/GBI 01-2019 Green Globes Assessment Protocol.

If further information is required feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Monica Morano". The signature is written in a cursive, flowing style.

Monica Morano

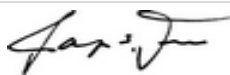
*Enclosure*



# COMPLIANCE TESTED by berkeley analytical

## VOC Emission Test Certificate

**Product Name: Sikaflex®-1A - 91016**

Product Sample Information		Certificate Information	
Company:	Sika Corporation	Certificate No:	230713-06
Company Website:	www.sikausa.com	Certified By:	
Product Type:	Window Frame – Joint Sealant		Raja S. Tannous, Laboratory Director
Date Produced:	6/2/2023	Date:	July 13, 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 <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>:** 14470 g/m<sup>2</sup>

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:** Sika Corporation selected a sample representative of its Sikaflex-1A - 91016 joint sealant product and submitted it on 6/19/2023 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, 991-017-01A-Jul1323.

**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.