



COMPLIANCE TESTED by berkeley analytical

VOC Emission Test Certificate

Product Name: TruSil 100 Silicone Sealant - TS-100C

Product Sample Information		Certificate Information	
Company:	EverKem Diversified Products	Certificate No:	220324-01
Company Website:	www.everkemproducts.com	Certified By:	 Raja S. Tannous, Laboratory Director
Product Type:	Clear Silicon Caulk – Sealant Adhesive	Date:	March 24, 2022
Date Produced:	2/21/2022		

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: 6070 g/m² – See manufacturer’s letter attached for non-full spread adhesive

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
- ANSI/ASHRAE/USGBC/IES Standard 189.1

Narrative: EverKem Diversified Products selected a sample representative of its TruSil 100 Silicone Sealant - TS-100C adhesive product and submitted it on 2/25/2022 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, 1395-001-01A-Mar2422.

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.

02/22/22

Everkem Diversified Products
120 Regent Drive
Winston-Salem, NC 27103
USA

Contact: Erin Dixon

Product: TS-100 Clear Silicone Caulk (Part # TS-100C)

Uses: TruSil 100 Silicone Sealant is a high performance acetoxycuring silicone sealant adhesive that demonstrates high strength adhesion and excellent weatherability under the most severe conditions. TruSil has been specially formulated to meet low VOC requirements and is recognized for its smooth consistency, low temperature application, ease of tooling, and quick cure time. TruSil 100 adheres to a wide variety of non-porous substrates including glass, aluminum and other metals, non-porous concrete, stone, tile, ceramic, non-oily wood, fiberglass, painted surfaces, plastics, many rubbers and other building materials.

Upon cure, TruSil 100 is a medium modulus, permanently elastomeric material that meets ASTM-C920 performance standards and can withstand +/- 25% joint movement. TruSil 100 can be used for extended periods at temperatures up to 400°F (204°C).

TruSil 100 is an NSF 51 Certified Silicone Sealant, making it the ideal caulk to use in and around food processing and storage. Applications include repair of kitchen and restaurant appliances, sinks, stainless steel walls, walk-in-coolers, ice machines, & various types of refrigeration units, and repair of piping, seals, gaskets, & valves that may come into contact with foodstuffs.

Basis for determining typical worst case product use:

This material is used as a solid surface seam sealer, therefore, the largest volume(s) of this material used in standard office and classroom models would be for that purpose.

Typical Worst Case Quantities:

Classroom: 12.2m X 7.32m X 2.59m = 231m³

Product Bead Length: 119m x 9.525mm maximum gap fill

Office: 3.66m X 3.05m X 2.74m = 30.6m³

Product Bead Length: 37.8m x 9.525mm maximum gap fill