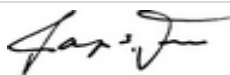




COMPLIANCE TESTED by berkeley analytical

VOC Emission Test Certificate

Product Name: Hi-Tech PE65

Product Sample Information		Certificate Information	
Company:	Progressive Fastening Systems, Inc.	Certificate No:	220316-01
Company Website:	www.hitechpolyurea.com	Certified By:	 Raja S. Tannous, Laboratory Director
Product Type:	Flooring Joint Filler	Date:	March 16, 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: 52800 g/m²

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
- CALGreen, CA Code of Regulations Title 24, Part II

Narrative: Progressive Fastening Systems, Inc. selected a sample representative of its Hi-Tech PE65 - two component, 1:1 ratio, polyurea elastomer joint and crack filler 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, 1265-004-01A-Mar1622.

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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Feb. 23, 2022

To whom it may concern: My name is Matthew Mosher and I am the Texas office branch manager for Hi-Tech Systems, a division of Progressive Fastening systems located at 1190 N. Del Rio Place in Ontario, CA. My company has submitted a product for testing: HT-PE65, which is a polyurea joint filler.

HT-PE65 is a dual component polyurea joint filler for interior finished concrete floors. The purpose of using HT-PE65 is to fill control joints to prevent the premature breaking and spalling of joint edges from foot or wheeled traffic. Filled joints also prevent dirt and debris from filling joints over time, leading to a prolonged life of a finished concrete floor.

The amount of material used is determined by the size and frequency of the control joints placed in the floor. The layout of joints is generally specified by the Architect or the concrete contractor, but they are generally cut at 25% of the slab depth which usually translates to 1" to 2" in depth. Spacing of the joints will vary but most often will fall in the range of 12-18 feet.

Examples

A classroom with an area of 40'x24', 960 square feet would have roughly 96-115 lf of control joint, 10% -12% of square footage.

A office with an area of 10'x12', 120 square feet would have roughly 12-15 lf of control joint, 10% -12% of square footage

HT-PE65 can be used in 22oz dual component cartridge form or through the use of specialty joint fill pumps where the material will typically be in a 2 gallon or 10 gallon bulk material kit form. HT-PE65 is to be placed into any open control joints at a recommended minimum width of .125 inches and a minimum depth of 1 inch with a slight overfill onto the surface of the concrete. At those dimensions HT-PE65 should fill roughly 150 lineal feet of joint per gallon of material . After curing for 1 hour, the joint filler can be shaved flush with the floor using a hand held razor scraper.

Please feel free to contact me if you need any additional information or clarification of the products.

Sincerely,

Matthew Mosher
Texas Branch Manager
Progressive Fastening/Hi-Tech Systems