



COMPLIANCE TESTED by berkeley analytical

VOC Emission Test Certificate

Product Name: Qwikjoint UVR - 693HP 5A & 693HP 5B

| Product Sample Information | | Certificate Information | |
|----------------------------|-----------------------------|-------------------------|---|
| Company: | The Euclid Chemical Company | Certificate No: | 230915-01 |
| Company Website: | www.euclidchemical.com | Certified By: |  Raja S. Tannous, Laboratory Director |
| Product Type: | Floor Joint Filler | Date: | September 15, 2023 |
| Date Produced: | 7/31/2023 | | |

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 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: 45130 g/m² (see attached manufacturer’s letter for loading and use scenarios)

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: The Euclid Chemical Company selected a sample representative of its Qwikjoint UVR - 693HP 5A & 693HP 5B, a UV-resistant polyurea floor joint filler product and submitted it on 8/23/2023 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, 1148-006-01A-Sep1523.

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.



EUCLID CHEMICAL

The Euclid Chemical Company
19215 Redwood Road
Cleveland, OH 44110-2799
Phone: 800-321-7628
Fax: 216-531-9596
www.euclidchemical.com

August 24, 2023

From: The Euclid Chemical Company
19215 Redwood Road
Cleveland, OH 44110
www.euclidchemical.com
Product: Euco QWIKjoint UVR
(Product part number varies by color & packaging size)

To Whom It May Concern,

The Euclid Chemical product Euco QWIKjoint UVR is a UV-resistant polyurea floor joint filler. It is used to support and protect joint edges from the deterioration typically caused by heavy loads and hard-wheeled traffic, and therefore helps prevent spalling of the joint edges.

Euco QWIKjoint UVR consists of two parts: Part A (“hardener”) and Part B (“resin”). The two parts are combined using a meter-mix joint filling pump, or a static mixer on a 22 oz. dual cartridge, and injected into saw cut control joints in concrete floors. The product sets quickly: initial set within 25-30 seconds, and “final” set within 1 hour. Upon final set, excess material is shaved off to match the floor elevation on either side of the control joint, and create a uniformly flat surface across the joint. Excess cured/shaved material is discarded.

To determine the amount of Euco QWIKjoint UVR that will be used in a standard building scenario, the following calculation will provide an approximation:

$$\frac{(\text{total length of project's control joints (ft.)} \times 12 \text{ in./ft.}) \times (\text{joint width (in.)}) \times (\text{joint depth (in.)})}{231 \text{ in.}^3/\text{gal.}}$$

This equation will provide an approximation of the number of gallons required for any given project. An adjustment of 5 to 10 percent extra material is typical, to account for waste.

Typical/Worst-case Product Quantities

School Classroom*: 0.88 gallons requires per classroom → round to 1 gallon per classroom
***Assumptions:** 40' x 24' area, 4" thick concrete slab, joints at 10' OC, 1.5" deep x 3/32" wide

Private Office*: 0.18 gallons required per office → round to 0.25 gallons per office
***Assumptions:** 12' x 10' area, 4" thick concrete slab, joints at 6' OC, 1.5" deep x 3/32" wide

If you have any further questions, please contact Matt Kwiecien at (216) 692-8346.

Thank you,

Matt Kwiecien
Product Manager – Liquid Construction Products