

Self-Declared Certificate
of Product Conformity
VOC Emissions



Company Information

Company Name:	Design Polymerics
Contact Information:	(714) 432-0600
Website:	https://www.designpoly.com

Product Information

Product Name:	DP 1020 Fibered Water Based Duct Sealant
Product Number:	DP 1020
Product Line:	Sealants
Product Category:	Grouts & Sealants

Exclusions

Exclusions:	None
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VOC Content

Regulatory VOC Content g/L:	3
Regulation:	SCAQMD Rule 1168
Category:	Adhesives and Sealants
VOC Content test or determination method:	Calculated from formulation
Exempt compounds >1% weight by mass of product:	None
Does product contain methylene chloride or perchloroethylene?:	No

VOC Emissions

Test Standard:	CDPH Standard Method V1.2
Acceptance Criteria:	CDPH Standard Method V1.2
Use scenario(s) Product type:	Company defined
Building Type:	Classroom+Office
Product coverage g/m ² :	1040
TVOC concentration at 14-days:	Less or equal to 0.5 mg/m³
Direct or extended claim:	Direct

Compliance Testing

ISO/IEC 17025 accredited third-party laboratory:	Berkeley Analytical, IAS TL-383
Test start date:	09/02/2022
Laboratory certificate number:	220923-04

Extended Claim for Co-product

Name of compliance tested product:	Not Applicable
Number:	Not Applicable
Was listed product screening-level tested for VOC emissions?:	Not Applicable
Basis for extension of claim from compliant product to co-product:	Not Applicable
Brief description of procedures used to ensure product is represented by compliance test results:	Not Applicable

Quality Control

Company maintains internal quality control program to ensure manufactured units are produced consistently and meet the requirements and acceptance criteria of listed standard(s):	Yes
Tested product sample was selected from typical production and is representative of commercial product. Where there are expected variations, sample was selected from production lot or group expected to give worst-case results:	Yes
If claim is for product other than product that was sampled and compliance tested, company maintains record of procedures used for extending claim in form of test results, calculations, formulations, or other information:	Not Applicable

Self-Declaration Signature

I affirm that I am authorized to make claims established in this declaration:	Yes
I certify that the information in this declaration is true and correct:	Yes
Date:	02/15/2023
Name of company representative:	Gregg Lindblom
Title:	Technical Director
Signature:	Gregg Lindblom

This ClearChem template is a standardized reporting form used by companies to make self-declared claims about the environmental performance of their products. Only companies that have entered into a binding Implementation Agreement with Berkeley Analytical may use this form.

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COMPLIANCE TESTED by berkeley analytical

VOC Emission Test Certificate

Product Name: DP 1020

Product Sample Information		Certificate Information	
Company:	Design Polymeric	Certificate No:	220923-04
Company Website:	www.designpoly.com	Certified By:	
Product Type:	Duct Sealant		Raja S. Tannous, Laboratory Director
Date Produced:	8/25/2022	Date:	September 23, 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?	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: 1040 g/m² (see 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)

- IISGRC IFFD Version 4/4 1 RD&C ID&C Residential RD&C Multifamily
- The WFI Building Standard WFI v2 Feature X06
- ANSI/GRI 01-2019 Green Globes Assessment Protocol
- ANSI/ASHRAE/IISGRC/IES Standard 189.1

Narrative: Design Polymeric selected a sample representative of its DP 1020 - fibered duct sealant product and submitted it on 8/31/2022 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, 777-007-01A-Sep2322.

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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FC17B.2



August 31, 2022

To: Al Hodgson
Berkeley Analytical
815 Harbor Way South, Suite 6
Richmond, CA 94804-3612

RE: Emission Testing, CDPH Standard Method V1.2, LEED EQ v4.1

Al,
Below is the rationale and calculations for Design Polymerics DP 1020 used in a standard office and standard classroom.

CLASSROOM

Supply Duct - Slip and Drive connections, wrap around duct with single longitudinal seam, 5-foot joints. Snap lock round pipe construction, flexible duct elbow with UL 181 connection to metal snap lock duct.

5 joints 16" x 16" = 320"	26 3/4' at 2" width
4 joints 12" x 12" = 192"	16' at 2" width
24 joints at 8" diameter = 603" (2 joints at tap, 1 joint at flex duct - 8 takeoffs)	50.25' at 2" width
35 linear feet 16"x16 and 12"x12	35' at 1" width (equivalent 17.5' at 2" width)
40 linear feet 8" round snap lock	40' at 1" width (equivalent 20' at 2" width)
Reducer seams 9"x4 = 36"	3' at 1" width (equivalent 1.5' at 2" width)
Subtotal Supply Duct	132' at 2" width
Return Duct	
<u>Return Duct</u> - Slip and Drive connections, L duct with 2 longitudinal seams, 5-foot joints. Flexible duct to return air grilles.	
8 joints 18"x18" = 576"	48' at 2" width
6 joints at 12"diameter = 226" (2 joints at tap, 1 joint at flex duct - 3 takeoffs)	19' at 2" width
35 linear feet x 2 seams	70' at 1" width (equivalent 35' at 2" width)
Subtotal Return Duct	102' at 2" width
Total CLASSROOM	39 sq. ft. (234' at 2" width), 40 mil wet film thickness



OFFICE

Supply Duct - Slip and Drive connections, wrap around duct with single longitudinal seam, 5-foot joints. Snap lock round pipe construction, flexible duct elbow with UL 181 connection to metal snap lock duct.

2 joints 12" x 12" = 96"	8' at 2" width
3 joints at 8" diameter = 75" (2 joints at tap, 1 joint at flex duct - 1 takeoffs)	6.5' at 2" width
10 linear feet at 12"x12"	10' at 1" width (equivalent 5' at 2" width)
5 linear feet 8" round snap lock	5' at 1" width (equivalent 2.5' at 2" width)
Subtotal Supply Duct	22' at 2" width

Return Duct - Slip and Drive connections, wrap around duct with 1 longitudinal seam, 5-foot joints. Flexible duct to return air grille.

2 joints 16"x16" = 128"	10 3/4' at 2" width
2 joints at 12"diameter = 75" (1 joints at tap, 1 joint at flex duct - 1 takeoffs)	6 1/4" at 2" width
10 linear feet x 1 seam	5' at 1" width (equivalent 2.5' at 2" width)
Subtotal Return Duct	19.5' at 2" width

Total OFFICE **6.91 Sq. Ft. (41.5' at 2" width), 40 mil wet film thickness**

Sincerely,

Gregg Lindblom
Technical Director