

Self-Declared Certificate
of Product Conformity
VOC Emissions



Company Information

Company Name:	Design Polymerics
Contact Information:	800-641-0808, sales@designpoly.com
Website:	www.designpoly.com

Product Information

Product Name:	DP 5050 Weather Barrier Coating
Product Number:	DP-5050
Product Line:	Mastics
Product Category:	Moisture Barrier (coating)

Exclusions

Exclusions:	none
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VOC Content

Regulatory VOC Content g/L:	0 g/L
Regulation:	SCAQMD Rule 1113
Category:	Mastic Coatings
VOC Content test or determination method:	ASTM Methods D6886 & D2369
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 :	983 g/m² (64 mil)
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:	04/06/2018
Laboratory certificate number:	180426-05

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:	08/09/2019
Name of company representative:	Roxanne Swift
Title:	Technical Director
Signature:	Roxanne Swift

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-5050

Product Sample Information		Certificate Information	
Company:	Design Polymeric	Certificate No:	180426-05
Company Website:	www.designpoly.com	Certified By:	
Product Type:	Weather barrier coating		Raja S. Tannous, Laboratory Director
Date Produced:	3/26/2018	Date:	April 26, 2018

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: 983 g/m² (64 mil)

- Exposure scenarios & product quantities for classroom & office are defined in Tables 4-2 – 4-5 (CDPH Std. Mtd. V1.2-2017)
- Maximum allowable concentrations of individual target VOCs are specified in Table 4-1 (*ibid.*)
- Maximum allowable formaldehyde concentration is ≤9 µg/m³, effective Jan 1, 2012; previous limit was ≤16.5 µg/m³ (*ibid.*)
- 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
- 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, BD&C, ID&C
- The WELL Building Standard
- ANSI/GBI 01, Green Building Assessment Protocol

Narrative: Design Polymeric selected a sample representative of its DP-5050 weather barrier coating product and submitted it on 4/2/2018 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, 777-003-05A-Apr2618.

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



June 17, 2019

Design Polymerics
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DP 5050 Weather Barrier Coating

Use and Application:

May be used for coating fiberglass, polystyrene board, closed cell polyethylene and polyurethane foams in mechanical and industrial thermal insulation applications. May be used for bonding and coating of fiberglass mesh, canvas or other lagging fabrics over most types of thermal insulation. May be used as a protective coating over expanded polystyrene foam to prevent dusting and protect from many solvents.

Application:

DP 5050 may be applied by brush, trowel, or by hand with rubber gloves. For lagging jackets, apply a tack coat at a spread rate of 50 sq. ft. per gallon. Immediately embed the selected lagging material into the wet tack coat. Smooth out to avoid wrinkles and overlap seams by at least 2 inches. Apply a finish coat at a spread rate of 25 sq. ft. per gallon. Brush or trowel to a smooth surface. Test foil and paper facings for adhesion prior to application.

Coverage: Dependent on application and application thickness, 15-100 sq. ft. per gallon

Basis for determining typical or worst case product use:

Classroom

Elbows

150" linear in = 300 sq in

Joints - Outside and Torus

48 joints = 1,464 sq in

Total Classroom = 1,762 sq in 64 mil thickness=1.136 sq meters

Office

Elbows

15" linear at 2" width= 300 sq in 300 sq in at 64 mil

Joints - Outside and Torus

15.7 sq in at 64 mil for 1 joint

14.8 sq in at 64 mil for 1 joint

32 joint=976 sq in at 64 mil

Total Office: 1,276 sq in 64 mil thickness=0.823 sq meters

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