

Self-Declared Certificate  
of Product Conformity  
VOC Emissions



### Company Information

Company Name:	<b>Design Polymerics</b>
Contact Information:	<b>(714) 432-0600</b>
Website:	<b><a href="https://www.designpoly.com">https://www.designpoly.com</a></b>

### Product Information

Product Name:	<b>DP 1015 Smooth Water Based Duct Sealant</b>
Product Number:	<b>DP 1015</b>
Product Line:	<b>Sealants</b>
Product Category:	<b>Grouts &amp; Sealants</b>

### Exclusions

Exclusions:	<b>None</b>
-------------	-------------

### VOC Content

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

## VOC Emissions

Test Standard:	<b>CDPH Standard Method V1.2</b>
Acceptance Criteria:	<b>CDPH Standard Method V1.2</b>
Use scenario(s) Product type:	<b>Company defined</b>
Building Type:	<b>Classroom+Office</b>
Product coverage g/m <sup>2</sup> :	<b>973</b>
TVOC concentration at 14-days:	<b>Less or equal to 0.5 mg/m3</b>
Direct or extended claim:	<b>Direct</b>

## Compliance Testing

ISO/IEC 17025 accredited third-party laboratory:	<b>Berkeley Analytical, IAS TL-383</b>
Test start date:	<b>09/09/2022</b>
Laboratory certificate number:	<b>221004-09</b>

## Extended Claim for Co-product

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

## 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):	<b>Yes</b>
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:	<b>Yes</b>
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:	<b>Not Applicable</b>

## 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.

**DISCLAIMER: THIS SELF-DECLARATION OF CONFORMITY (“SELF-DECLARATION”) IS A STATEMENT MADE BY THE COMPANY AND ALL DECLERATIONS MADE HEREIN ARE THE SOLE RESPONSIBILITY OF THE COMPANY. BERKELEY ANALYTICAL ASSOCIATES, LLC (“BKA”) SHALL HAVE NO LIABILITY FOR ANY STATEMENTS MADE IN THIS SELF-DECLARATION. ANY TEST RESULTS FURNISHED BY BKA TO COMPANY ARE LIMITED TO THE SAMPLE OF THE PRODUCT IDENTIFIED IN THIS DECLARATION, AND BKA IS NOT RESPONSIBLE FOR ANY COMPANY CLAIMS REGARDING A PRODUCT OR PRODUCTS ENTERED INTO COMMERCE THAT MAY BE BASED ON BKA TESTING. BKA’S TESTING DOES NOT CONSTITUTE AN ENDORESMENT OF ANY PRODUCT OF THE COMPANY. BKA HAS NO LIABILITY FOR THE PERFORMANCE, QUALITY, OR CONFORMANCE WITH THE REFERENCE STANDARD(S) OF ANY PRODUCT DECLARED TO BE CONFORMING TO SUCH STANDARD(S). BKA MAKES NO REPRESENTATIONS, WARRANTIES, OR CERTIFICATIONS REGARDING THE USABILITY, PUBLIC HEALTH, AND MEDICAL, TOXICOLOGICAL, OR ENVIRONMENTAL IMPACT OF THE COMPANY’S PRODUCT OR SUCH PRODUCT’S COMPLIANCE WITH ANY APPLICABLE STANDARDS, SPECIFICATIONS, REQUIREMENTS, LAWS, OR REGULATIONS. BKA PROVIDES THE SELF-DECLARATION TEMPLATE “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. BKA SHALL NOT INCUR ANY LIABILITY FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO, DIRECT, INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES ARISING OUT OF, RESULTING FROM, OR IN ANY WAY CONNECTED TO THE USE OF ANY PRODUCT, WHETHER OR NOT BASED UPON WARRANTY, CONTRACT, TORT, OR OTHERWISE; WHETHER OR NOT INJURY WAS SUSTAINED BY PERSONS OR PROPERTY OR OTHERWISE; AND WHETHER OR NOT LOSS WAS SUSTAINED FROM, OR AROSE OUT OF, THE RESULTS OF THE COMPANY’S PRODUCT, OR ANY SERVICES THAT MAY BE PROVIDED BY BKA. ALL INQUIRIES CONCERNING THIS SELF-DECLARATION SHOULD BE DIRECTED TO THE COMPANY.**



# COMPLIANCE TESTED by berkeley analytical

## VOC Emission Test Certificate

**Product Name:** DP 1015

Product Sample Information		Certificate Information	
Company:	Design Polymeric	Certificate No:	221004-09
Company Website:	www.designpoly.com	Certified By:	
Product Type:	Duct Sealant		Raja S. Tannous, Laboratory Director
Date Produced:	8/31/2022	Date:	October 4, 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 <sup>1</sup>	Individual VOCs of Concern <sup>2</sup>		Formaldehyde <sup>3</sup>		TVOC <sup>4</sup>
	Criterion	Compliant?	Criterion	Compliant?	Range
School Classroom	≤½ Chronic REL	YES	≤9.0 µg/m <sup>3</sup>	YES	≤ 0.5 mg/m <sup>3</sup>
Private Office	≤½ Chronic REL	YES	≤9.0 µg/m <sup>3</sup>	YES	≤ 0.5 mg/m <sup>3</sup>

**Product Coverage<sup>5</sup>:** 973 g/m<sup>2</sup> (non-full spread application. See use and application manufacturer's letter attached)

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/m<sup>3</sup>, effective Jan 1, 2012; previous limit was ≤16.5 µg/m<sup>3</sup> (*ibid.*)
4. Informative only; predicted TVOC Range in three categories, i.e., ≤0.5 mg/m<sup>3</sup>, >0.5 – 4.9 mg/m<sup>3</sup>, and ≥5.0 mg/m<sup>3</sup>
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:** Design Polymeric selected a sample representative of its DP 1015 - smooth duct sealant product and submitted it on 9/6/2022 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, 777-008-01A-Oct0422.

**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.

©2019 Berkeley Analytical, 815 Harbour Way South, Suite 6, Richmond, CA 94804 / 510-236-2325 / [www.berkeleyanalytical.com](http://www.berkeleyanalytical.com)  
FC17B.2



August 31, 2022

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

DP 1015 Smooth Duct Sealant

**Use and Application:**

A smooth, water based, premium quality, UL Listed, high velocity duct sealant for commercial and residential supply and return air duct use. Recommended for sealing joints, seams, and duct wall penetrations. Also recommended for sealing connections on flexible duct or fiberglass duct board. **DP 1015** is recommended up to 15 inches water column pressure.

**Coverage:** Dependent on application thickness, 40-80 sq. ft./gal. at 20-40 wet mils

**For sheet metal duct:** DP 1015 should be applied to all connections according to SMACNA standards. Brush, caulk, pump, or trowel DP1015 on all duct seams. Apply to TDC/TDF and applied flange corners. Apply to all penetrations in the duct wall including sheet metal screw heads and tie rods. When caulking DP 1015, sealant should be brushed into seams.

**For round and oval spiral duct:** Apply DP 1015 to the male section of the fitting or to the inside slip duct coupling. Secure with sheet metal screws per manufacturers requirements. Apply a 2-inch band of DP 1015 around outside of joint, covering all screws.

**For rigid fiberglass air duct:** Assemble sections according to the manufacturers' recommendations. Apply a 3-inch by 20 mil band of DP 1015 to the joint. Embed a fiberglass scrim (5 mil, 20 x 10 plain weave, 1.75 oz. per sq. yd.) in the sealant and apply another 20-mil coat of DP 1015 over the scrim.

**For flexible duct:** Install flexible duct per manufacturers' instructions using draw bands or mechanical fastener. Apply DP 1015 at a rate of 40-80 sq. ft. per gallon (20-40 mils) between the end of the duct and the collar in a 2-inch band. Use DP 1015 to seal all connections of collar to metal duct or rigid fiberglass duct board.

**Basis for determining typical or worst-case product use:**

**Classroom**

- Supply Duct consisting of 5 16"x16" joints; 4 12"x12" joints; 24 8" diameter joints, 4 9" reducer seams; 75' linear seams
- Return Duct consisting of 8 18"x18" joints; 6 12" diameter joints; 35' linear seams

**Office**

- Supply Duct consisting of 2 12"x12" joints; 3 8" diameter joints, 15' linear seams
- Return Duct consisting of 2 16"x16" joints; 2 12" diameter joints, 10' linear seams

**Total Classroom:** 234' at 2" width = 39 sq. ft. = **3.6 square meters**

**Total Office:** 41.5' at 2" width = 6.9 sq. ft. = **0.64 square meters**

3301 W. Segerstrom, Santa Ana, CA 92704 • (714) 432-0600 • Fax (714) 432-0660 • [www.designpoly.com](http://www.designpoly.com)