

# Self-Declared Certificate of Product Conformity VOC Emissions



## Company Information

Company Name:	<b>USG Corporation</b>
Contact Information:	<b>sustainability@usg.com</b>
Website:	<b>usg.com</b>

## Product Information

Product Name:	<b>USG Donn® Brand Acoustical Suspension Systems</b>
Product Numbers <sup>1</sup> :	<b>DXF™, DXFF™, DXLF™, DXFEV™, DX®/DXL™, DXLA™, ZXLA™, GDX™, DXT/DXLT™, GDXT™, AX™/AXCE™, CE™, DXW™, DXI™, DXAS™/DXTAS™</b>

<sup>1</sup>All listed product numbers are within single product line & vary solely with respect to physical attributes or parameters not associated with VOC content or emissions.

Product Line:	<b>USG Donn® Brand Suspension Systems</b>
Product Category:	<b>Ceilings</b>

## Exclusions

Exclusions:	<b>None</b>
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## 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>Ceiling</b>
Building Type:	<b>Classroom+Office</b>
Product coverage g/m <sup>2</sup> :	<b>Not Applicable</b>
TVOC concentration at 14-days:	<b>Less or equal to 0.5 mg/m<sup>3</sup></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>07/10/2020</b>
Laboratory certificate number:	<b>200731-01</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

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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:	08/17/2020
Name of company representative:	Mark Englert
Title:	Sustainability Senior Manager
Signature:	Mark Englert

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: USG Fineline® DXF™ Ceiling Suspension System - DXF 429N 00000000014331**

Product Sample Information		Certificate Information	
Company:	USG Corporation	Certificate No:	200731-01
Company Website:	www.usg.com	Certified By:	 Raja S. Tannous, Laboratory Director
Product Type:	Ceiling Suspension System, see attached customer letter for product coverage		
Date Produced:	7/1/2020	Date:	July 31, 2020

**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>:** Not applicable

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, BD&C, ID&C
- The WELL Building Standard
- ANSI/GBI 01, Green Building Assessment Protocol
- Green Guide for Healthcare V2.2

**Narrative:** USG Corporation selected a sample representative of its USG Fineline® DXF™ Ceiling Suspension System - DXF 429N 00000000014331 product and submitted it on 7/3/2020 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, 059-250-01A-Jul3120.

**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



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May 13<sup>th</sup>, 2020

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To Whom It May Concern:

This letter serves to demonstrate the required length of USG Ceiling Suspension Systems used in the office and classroom model defined in the CDPH/EHLB Standard Method v1.2 (Sect. 01350) (Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers) so that the product can be tested appropriately for VOC emissions.

USG Ceiling Suspension System is made using hot-dipped, galvanized steel construction that provides corrosion-resistance and ensures paint adhesion. The USG Ceiling Suspension System forms fast-installing ceiling systems that work together with USG Acoustical Ceiling Panels. The quantity of USG Ceiling Suspension System is estimated using [USG Design Studio](#) with panel size 2' X 2', as the worst-case scenario. The calculated lengths are shown in the following table according to the specified indoor environment.

	Suspension System Main Tee (ft)	Suspension System 2' Cross Tee (ft)	Suspension System 4' Cross Tee (ft)	Suspension System Edge Molding (ft)	Suspension System Total Length (ft)
Classroom Requirement for Standard 40 ft x 24 ft Room	240	240	480	128	1088
Office Requirement for Standard 10 ft x 12 ft Room	30	30	60	44	164

The width of the coated metal cap used in the production of the USG Finline® 1/8" DXFF™ Ceiling Suspension System is 4.870". Testing of the USG Finline® 1/8" DXFF™ Ceiling Suspension System is viewed as the worst-case scenario since it has the highest surface areas of painted metal of all USG ceiling suspension system profiles. The area of coated metal in 1' of USG Finline® 1/8" DXFF™ suspension system is 0.4058 ft<sup>2</sup> (0.03772 m<sup>2</sup>). Since the main tee and cross tee have the same material and painted width, the cross tee is used for CDPH/EHLB Standard Method v1.2 (Sect. 01350) testing.

Regards,

Xiaoyan Chen  
Senior Researcher  
Corporate Innovation Center  
USG Corporation

Stacy Simpson  
Sustainability Manager  
USG Corporation