



Casey Ball  
 The Sherwin-Williams Company  
 101 W Prospect Ave  
 Cleveland, OH 44115

Subject: Project 18764-010AA - Test Results

Thank you for choosing UL Environment, and its ISO/IEC 17025 accredited testing laboratory, for your analytical needs. The Sherwin-Williams Company's "Resufloor Terrazzo TG" was tested by our laboratory for low emitting materials.

Testing was conducted in small environmental chambers following the principles of ASTM D 5116 with the defined product specific test protocols and IAQ emission requirements of the State of California's Indoor Air Quality Program, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources using Environmental Chambers" (aka CA Section 01350).

Calculations were performed using the parameters below to estimate the concentrations of VOCs of concern for use in a classroom environment and in an office environment.

Ventilation Rate	Room Volume	Product Surface Area
<b>CLASSROOM</b>		
0.82 air changes per hour (ACH)	12.2 m x 7.32 m x 2.59 m = 231 m <sup>3</sup> (40 x 24 x 8.5 ft = 8,160 ft <sup>3</sup> )	89.2 m <sup>2</sup>
<b>PRIVATE OFFICE</b>		
0.68 air changes per hour (ACH)	3.66 m x 3.05 m x 2.74 m = 30.6 m <sup>3</sup> (12 x 10 x 9 ft = 1,080 ft <sup>3</sup> )	11.1 m <sup>2</sup>

The product mentioned above as received and tested meets the Section 1350 requirements for use in a classroom and in an office with the above parameters.

If you have any questions or concerns about the test results, please contact your Account Manager at (888) 485-4733.

Sincerely,

Allyson M. McFry  
 Chemistry Laboratory Director

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## VOC EMISSION RESULTS COMPARISON TO STANDARD

Standard referenced: *CDPH/EHLB/Standard Method V1.2 (January 2017) "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers" (aka CA Section 01350).*

### PRODUCT SAMPLE INFORMATION


<b>Manufacturer:</b>	The Sherwin-Williams Company
<b>Product Description:</b>	Resuflor Terrazzo TG
<b>Product Type:</b>	Adhesives/Sealants
<b>Sample Identification:</b>	UL Environment's 18764-010AA
<b>Manufactured Date:</b>	November 16, 2017
<b>Test Completed on:</b>	12/18/2017
<b>UL Environment Report:</b>	18764-01 12/29/2017

### TEST RESULTS COMPARISON TO STANDARD CRITERIA

Environment:	CLASSROOM		OFFICE	
<b>Surface Area:</b>	89.2 m <sup>2</sup>		11.1 m <sup>2</sup>	
<b>Criterion:</b>	<b>Criterion</b>	<b>Meets?</b>	<b>Criterion</b>	<b>Meets?</b>
<b>Individual VOC:</b>	≤ ½ REL	Yes	≤ ½ REL	Yes
<b>Formaldehyde:</b>	≤ 9.0 µg/m <sup>3</sup>	Yes	≤ 9.0 µg/m <sup>3</sup>	Yes

Environment:	CLASSROOM	OFFICE
<b>Surface Area:</b>	89.2 m <sup>2</sup>	11.1 m <sup>2</sup>
<b>TVOC:</b>	0.5 mg/m <sup>3</sup> or less	0.5 mg/m <sup>3</sup> or less

TVOC comparison is based on LEED BD+C: New Construction v4 (LEED v4), Indoor environmental quality (EQ) category/Low-emitting materials credit/Emissions and content requirements/General emissions evaluation.  
<http://www.usgbc.org/node/2614095?return=/credits/new-construction/v4/indoor-environmental-quality>

<b>Reviewed By</b>	 Allyson McFry Chemistry Laboratory Manager
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**Disclaimer:** This Comparison affirms that: 1) the product sample was tested according to the referenced standard; 2) the measured VOC emissions were evaluated for the defined exposure scenario(s); and 3) if so indicated above that the results meet the criteria of the referenced standard(s). UL Environment did not select the samples, determine if the samples were representative of production samples, witness the production of test samples, or were we provided with information relative to the formulation or identification of component materials used in the test samples. The test results apply only to the actual samples tested. The issuance of this Comparison in no way implies Listing, Classification or Recognition by UL and does not authorize the use of UL Listing, Classification or Recognition Marks or any other reference to UL on the product or system. UL Environment authorizes the above named company to reproduce this Comparison provided it is reproduced in its entirety. The name, brand or marks of UL cannot be used in any packaging, advertising, promotion or marketing relating to the data in this Comparison, without UL's prior written permission. UL, its subsidiaries, employees and agents shall not be responsible to anyone for the use or nonuse of the information contained in this Comparison, and shall not incur any obligation or liability for damages, including consequential damages, arising out of or in connection with the use of, or inability to use, the information contained in this Comparison.