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Manufacturer's Declaration of Product Compliance with VOC Emissions Testing

The California Department of Public Health (CDPH), Standard Method for Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, version 1.2-2017 (CDPH Standard Method v1.2-2017) is widely referenced by green building standards and sustainable materials frameworks to demonstrate compliance with volatile organic compounds (VOC) emissions limits. For example, it meets the requirements of the LEED v5 MRc3 Credit: *Low-emitting Materials* and LEED v4/4.1 EQ Credit: *Low-emitting Materials*.

The scope of this document is limited to ROCKWOOL insulation products that are not covered by the UL GREENGUARD Gold program. For more information, please contact ROCKWOOL Technical Services.

The ROCKWOOL products listed in Table 1 comply with the CDPH Standard Method v1.2-2017, Section 4, for the specified scenarios. Unless indicated otherwise, the listed compliance applies to products used in wall applications only. For compliance under project-specific applications, contact ROCKWOOL Technical Services.

Applicable to building product categories typically used within the building envelope of enclosed indoor environments, including thermal insulation, Standard v1.2-2017 establishes procedures for quantifying VOC emissions and sets performance criteria for maximum allowable predicted indoor VOC concentrations. It defines standardized scenarios for classrooms (classroom) and private offices in public/commercial buildings (private office) including typical room dimensions, environmental loadings and area-specific air flow rates.

Table 1: ROCKWOOL Products Scenario Compliance Summary

ROCKWOOL Product	Thickness	Scenario	
		Classroom	Private Office
Unfaced			
Cavityrock®	≤4.0" (102mm)	Yes	No
Comfortboard® 80	≤2.0" (52mm)	Yes	No
Comfortboard® 110	≤1.25" (32mm)	Yes	No
Fabrock™ LT	≤4.0" (102mm)	Yes	No
Plus™ MB	≤6.0" (152mm)	Yes	No
Rockboard® 40	≤4.0" (102mm)	Yes	No
Rockboard® 60	≤2.0" (52mm)	Yes	No
ROXUL Safe® 45	≤1.0" (25mm)	Yes	No
ROXUL Safe® 55	≤4.0" (102mm)	Yes	No
ROXUL Safe® 65	≤3.0" (76mm)	Yes	No
Faced			
Cavityrock® Black	≤3.0" (76mm)	Yes	No
Curtainrock® 40 RFF	≤4.0" (102mm)	Yes	No
Curtainrock® 80 RFF	≤3.0" (76mm)	Yes	No
Rockboard® 40 RFF	≤2.5" (64mm)	Yes	No
Smartrock®	≤3.0" (76mm)	Yes	Yes
Firestopping			
ROXUL Safe®	≤9.0" (228mm) at 50% compression	Yes*	Yes**

The range of total VOCs (TVOC) after 14 days (336 hours) was measured to be 0.5 mg/m^3 or less, as specified in the CDPH Standard Method v1.2-2017.

* The installed product area equals the length of four exterior walls, 125 ft (38.1m), multiplied by the installed width at 50% compression, 0.75ft (0.23m), resulting in 93.75ft^2 (8.71m^2).

** The installed product area equals the length of two exterior walls 21.25ft (6.48m), multiplied by the installed width at 50% compression, 0.75ft (0.23m), resulting in 15.94ft^2 (1.48m^2).

For projects pursuing LEED, the private office scenario is the default. Products used in classrooms may be modeled using either the school or private office scenario. The defined building interior, minimum thresholds for product categories, and thermal insulation requirements may differ between LEED standard versions.

In LEED v4/4.1 EQ Credit: *Low-Emitting Materials*, the building interior is defined as everything within the waterproofing membrane, and the building exterior is defined as everything outside and inclusive of the primary and secondary waterproofing systems (such as waterproofing membranes and air-and-water resistive barriers).

In LEED v5 MRc3 Credit: *Low-Emitting Materials*, all permanently installed materials within and inclusive of the project's air barrier membrane are considered the building interior. The insulation product category excludes thermal insulation installed outside the air barrier membrane.

Breadth of Claim

Not all products listed in Table 1 were subjected to direct VOC emissions testing. Instead, the majority of the products were evaluated through a comparative analysis of the product composition against a selection of reference-tested products, listed in Table 2 of this declaration. The reference products are representative of the "worst-case" scenario for predicted VOC emissions concentrations, for the range of products within the scope of this declaration.

Quality Control

ROCKWOOL maintains a comprehensive documented quality control (QC) plan for the production of the listed building products, which includes rigorous in-plant quality control testing to ensure ongoing compliance with established standards.

Table 2: Reference Tested Products

Product	Thickness	Test Report No.	Test Report Date	Testing Laboratory
Cavityrock® Black	3.0" (76mm)	1002125475-6624178	December 1, 2023	UL Environment
Comfortboard® 80	2.0" (52mm)	1002076779-6491094	October 18, 2023	UL Environment
Curtainrock® 80 RFF	3.0" (76mm)	1002174756-6827897	March 21, 2024	UL Environment
Smartrock®	3.0" (76mm)	1001969340-6236527	July 28, 2023	UL Environment
ROXUL Safe®	9.0" (228mm) at 50% compression	260324-99	March 24, 2026	Berkeley Analytical Associates, LLC

UL Environment accreditation: ISO/IEC 17025, no. AT-1297. Berkeley Analytical Associates, LLC accreditation: ISO/IEC 17025, no. TL-383.

This declaration adheres to the principles outlined in ISO 14021:2016 and follows the CDPH Standard Method v1.2-2017, Section 8 Guidelines for Use of Standard Method as a Basis for a Building Product Claim.

To access ROCKWOOL's sustainability certifications, visit the **Product Transparency page** at rockwool.com

To get in touch with the ROCKWOOL Technical Services team, visit **rockwool.com/north-america/contact/**

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