



Environmental Self Declaration – Volatile Organic Compounds.
Made in Accordance with **ClearChem** Standard BKA-CC-01

Self-Declared Certificate of Product Conformity VOC Emissions



FLOORING SYSTEMS

Company Information

| | |
|----------------------|---------------------------------|
| Company Name: | Forbo Flooring Systems |
| Contact Information: | shannon.wolski@forbo.com |
| Website: | www.forboflooringna.com |

Product Information

| | |
|-------------------|----------------------|
| Product Name: | Marmoleum MCT |
| Product Number: | Marmoleum MCT |
| Product Line: | Marmoleum |
| Product Category: | Floors |

Exclusions

| | |
|-------------|-------------|
| Exclusions: | None |
|-------------|-------------|

VOC Emissions

| | |
|-------------------------------------|-----------------------------------|
| Test Standard: | CDPH Standard Method V1.1 |
| Acceptance Criteria: | CDPH Standard Method V1.1 |
| Use scenario(s) Product type: | Flooring |
| Building Type: | Classroom+Office |
| Product coverage g/m ² : | Not Applicable |
| 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: | 03/24/2017 |
| Laboratory certificate number: | 170417-03 |

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: | 09/26/2018 |
| Name of company representative: | Becky Hudock |
| Title: | Manager of Product Support & Education Services |
| Signature: | Becky Hudock |

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.

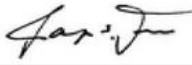


COMPLIANCE TESTED by berkeley analytical

VOC Emission Test Certificate

Product Name: Marmoleum Composition Tile (MCT)

| Product Sample Information | |
|----------------------------|--|
| Company: | Forbo Flooring Systems |
| Company Website: | www.forbo.com |
| CSI Category & No.: | Linoleum Tile Flooring (096519-Linoleum) |
| Date Produced: | 3/20/2017 |

| Certificate Information | |
|-------------------------|---|
| Certificate No: | 170417-03 |
| Certified By: |  Raja S. Tannous, Laboratory Director |
| Date: | April 17, 2017 |

Reference Standard: California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010 (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: Not applicable

1. Exposure scenarios & product quantities for classroom & office are defined in Tables 4-2 – 4-5 (CDPH Std. Mtd. V1.1-2010)
2. Maximum allowable concentrations of individual target VOCs are specified in Table 4-1 (*ibid.*)
3. Maximum allowable formaldehyde concentration is ≤9 µg/m³, effective Jan 1, 2012; previous limit was ≤16.5 µg/m³ (*ibid.*)
4. 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
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 V1.1 (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: Forbo Flooring Systems selected a sample representative of its Marmoleum Composition Tile (MCT) product and submitted it on 3/23/2017 for testing. Berkeley Analytical measured and evaluated the emissions of VOCs from this sample following CDPH/EHLB/Standard Method V1.1-2010. The results of the test are presented in Berkeley Analytical report, 135-066-01A-Apr1717.

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.

©2012 Berkeley Analytical, 815 Harbour Way South, Suite 6, Richmond, CA 94804 / 510-236-2325 / www.berkeleyanalytical.com
FC17B.1