

CLASSIFICATION: 09 65 19.00 Finishes: Resilient Tile Flooring

PRODUCT DESCRIPTION: Allura Flex is a luxury vinyl tile that is comprised of a vinyl wear layer with a high performance PUR topcoat which provides color clarity. A calendared wear layer provides clear image, superior strength and durability . The thick glass inter-layer ensures dimensional stability, flexibility, tension releases and strength with a solid backing for comfort, balance and prevention of curl. The mechanical foam back layer contributes to its acoustical properties. Size: Approx. 39" x 8" (100cm x 20cm) Gauge: 0.197" (5.0mm) Wear Layer: 0.04" (1.0mm) Packaging: 10 planks (21.53 ft2/ 2 m2)

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold Disclosed Per

- Material
- Product

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?  
 Yes  No

Are All Substances Above the Threshold Indicated:

Characterized

Yes  No

Percent Weight and Role Provided?

Screened

Yes  No

Using Priority Hazard Lists with Results Disclosed?

Identified

Yes  No

Name and Identifier Provided?

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

[MATERIAL](#) | [SUBSTANCE](#) | [RESIDUAL OR IMPURITY](#)  
[GREENSCREEN SCORE](#) | [HAZARD TYPE](#)

[ALLURA FLEX](#) [ [POLYVINYL CHLORIDE \(PVC\)](#) [LT-P1](#) | [RES FATTY ACIDS, C14-22, 2-ETHYLHEXYL ESTERS, EPOXIDIZED](#) [NoGS](#) [GLASS / MINERAL FIBER \(POST-CONSUMER RECYCLED\)](#) (GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED)) [LT-UNK](#) [TITANIUM DIOXIDE](#) [LT-1](#) | [CAN](#) | [END POLYURETHANE FOAMS](#) [LT-UNK](#) [BIS\(2-ETHYLHEXYL\) TEREPHTHALATE](#) [BM-3](#) [DIPROPYLENE GLYCOL DIBENZOATE](#) [LT-P1](#) | [MUL DOLOMITE](#) [NoGS](#) [CALCIUM CARBONATE](#) [BM-3](#) ]

Number of Greenscreen BM-4/BM3 contents ... 2

Contents highest concern GreenScreen Benchmark or List translator Score ... [LT-1](#)  
Nanomaterial ... [No](#)

INVENTORY AND SCREENING NOTES:

Percentage (%) ranges for ingredients are used as a means of keeping the exact formulations proprietary.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario  
LCA: Environmental Product Declaration (EPD) by UL - Industry Generic

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: **Self-Prepared**

VERIFIER:  
VERIFICATION #:

SCREENING DATE: **2018-03-29**

PUBLISHED DATE: **2018-08-29**  
EXPIRY DATE: **2021-03-29**

## Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.1, available on the HPDC website at [www.hpd-collaborative.org/hpd-2-1-standard](http://www.hpd-collaborative.org/hpd-2-1-standard)

### ALLURA FLEX

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are expected to be present in the product at or above the reporting threshold.

OTHER PRODUCT NOTES:

#### POLYVINYL CHLORIDE (PVC)

ID: 9002-86-2

#: 46.0000 GS: LT-P1 RC: None NANO: No ROLE: Polymer Binder

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AEOC - Asthmagens Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

#### FATTY ACIDS, C14-22, 2-ETHYLHEXYL ESTERS, EPOXIDIZED

ID: 95370-96-0

#: 4.8000 GS: NoGS RC: None NANO: No ROLE: Stabilizers Binder & Process Additives

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED))

ID: 65997-17-3

#: 1.2000 GS: LT-UNK RC: None NANO: No ROLE: Carrier

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

#### TITANIUM DIOXIDE

ID: 13463-67-7

#: 0.5000 GS: LT-1 RC: None NANO: No ROLE: Pigment

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER US CDC - Occupational Carcinogens Occupational Carcinogen

CANCER CA EPA - Prop 65 Carcinogen - specific to chemical form or exposure route

CANCER IARC Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

CANCER MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER MAK Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The titanium dioxide (TiO2) is bound within the product, requiring no further labeling. Identified on the US EPA Safer Chemical Ingredient List. Form-specific hazards: airborne particles of respirable size – occupational setting. Specific guidelines are being created to address known issues related to transparency and disclosure for several materials (“Special Conditions”), including those with Form-Specific Hazards such as Titanium Dioxide. This HPD will be updated as appropriate when these guidelines become available. The Material Health Harmonization Task Group convened by the USGBC states that pigmentary titanium dioxide was “determined to be Benchmark 2 using the full GS (GreenScreen) method” [hpdrepository.hpd-collaborative.org](http://hpdrepository.hpd-collaborative.org) HPD v2.1 created via HPDC Builder Page 2 of 12 (<http://ow.ly/Z5ken>).

#### POLYURETHANE FOAMS

ID: 9009-54-5

#: 0.3000 GS: LT-UNK RC: None NANO: No ROLE: Finish

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Finish contains no Isocyanates.

**BIS(2-ETHYLHEXYL) TEREPHTHALATE**

ID: 6422-86-2

%: 0.1000 - 20.5000 GS: BM-3 RC: None NANO: No ROLE: Softner Binders

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**DIPROPYLENE GLYCOL DIBENZOATE**

ID: 27138-31-4

%: 0.1000 - 20.5000 GS: LT-P1 RC: None NANO: No ROLE: Softner Binders

HAZARDS: AGENCY(IES) WITH WARNINGS:

MULTIPLE German FEA - Substances Hazardous to Waters Class 2 - Hazard to Waters

SUBSTANCE NOTES:

**DOLOMITE**

ID: 16389-88-1

%: 0.1000 - 27.0000 GS: NoGS RC: None NANO: No ROLE: Filler

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**CALCIUM CARBONATE**

ID: 471-34-1

%: 0.1000 - 27.0000 GS: BM-3 RC: None NANO: No ROLE: Filler

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

## Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

### VOC EMISSIONS

CDPH Standard Method  
V1.2 (Section  
01350/CHPS) - Classroom  
& Office scenario

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: **chrome-**

**extension://oemmnndcblldboiebfnladdacbfmadadm/https://forbo.blob.core.windows.net/forbodocuments/19689/EPD%20Allura%20Flex%20(Wood).pdf**

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-10-26		Berkeley Analytical

CERTIFICATION AND COMPLIANCE NOTES:

### LCA

Environmental Product  
Declaration (EPD) by UL -  
Industry Generic

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL: **chrome-**

**extension://oemmnndcblldboiebfnladdacbfmadadm/https://forbo.blob.core.windows.net/forbodocuments/19689/EPD%20Allura%20Flex%20(Wood).pdf**

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2013-06-20	2018-06-20	UL Environment, Inc.

CERTIFICATION AND COMPLIANCE NOTES:

## Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

### FORBO FRT 950 ADHESIVE (VOC 0.00 G/L)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Standard recommended adhesive used for releasable installation.

### FORBO T 940 ADHESIVE (VOC 0.00 G/L)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Alternative adhesive that can be used for a permanent installation.

### FORBO SUSTAIN 885M ADHESIVE (VOC 0.00 G/L)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Alternative adhesive that can be used for a permanent installation.

### FORBO 660 ADHESIVE (VOC 12.00 G/L)

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Alternative adhesive that can be used for a permanent installation.

### FORBO ADHESIVE REMOVER

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for adhesive residue removal post installation.

### NEUTRAL PH CLEANER

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for routine cleaning.

### READY TO USE NEUTRAL PH CLEANER

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for routine cleaning.

### FORBO HEAVY DUTY CLEANER

HPD URL: **No HPD available**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Can be used for interim maintenance.

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**FORBO MOP ON RESTORER**HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Can be used for interim maintenance.**

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**FORBO SPRAY BUFF**HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Can be used for interim maintenance.**

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**FORBO MATTE FINISH**HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Can be used for interim maintenance.**

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**FORBO GLOSS FINISH**HPD URL: **No HPD available**

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Can be used for interim maintenance.**

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**FORBO WALL BASE**HPD URL: <http://www.forboflooringna.com>

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CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**Can be used with Allura Flex installation using the recommended adhesive.**

## Section 5: General Notes

Allura Flex line includes: Allura Flex Wood & Stone. Allura Flex contains no Isocyanates.

**MANUFACTURER INFORMATION**

MANUFACTURER: **Forbo Flooring Systems**  
 ADDRESS: **8 Maplewood Drive**  
**Hazle Township PA 18202, United States**  
 WEBSITE: **www.forboflooringna.com**

CONTACT NAME: **Shannon Wolski**  
 TITLE: **Product Support and Education Services Administrator**  
 PHONE: **570-450-0319**  
 EMAIL: **shannon.wolski@forbo.com**

**KEY**

**OSHA MSDS** Occupational Safety and Health Administration Material Safety Data Sheet  
**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

**Recycled Types**

**PreC** Preconsumer (Post-Industrial)  
**PostC** Postconsumer  
**Both** Both Preconsumer and Postconsumer  
**Unk** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms**

**Inventory Methods:**

**Nested Method / Material Threshold** Substances listed within each material per threshold indicated per material  
**Nested Method / Product Threshold** Substances listed within each material per threshold indicated per product  
**Basic Method / Product Threshold** Substances listed individually per threshold indicated per product

**Nano** Composed of nano scale particles or nanotechnology  
**Third Party Verified** Verification by independent certifier approved by HPDC  
**Preparer** Third party preparer, if not self-prepared by manufacturer  
**Applicable facilities** Manufacturing sites to which testing applies

*The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:*

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

*Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section. The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain. The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and for compliance with the HPD standard noted.*