

HPD UNIQUE IDENTIFIER: 23550

CLASSIFICATION: 09 65 00 Resilient Flooring

PRODUCT DESCRIPTION: This HPD represents the Biobased PU Resilient flooring category, both plank and sheet configurations.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<p><b>Inventory Reporting Format</b></p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p><b>Threshold Disclosed Per</b></p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p><b>Threshold level</b></p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p>	<p><b>Residuals/Impurities</b></p> <p><input type="radio"/> Considered</p> <p><input type="radio"/> Partially Considered</p> <p><input checked="" type="radio"/> Not Considered</p> <p><b>Explanation(s) provided for Residuals/Impurities?</b></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p><b>Characterized</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p><b>Screened</b> <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p><b>Identified</b> <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p><i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i></p>
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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**

**BIOBASED PU RESILIENT [ CALCIUM CARBONATE BM-3**  
**POLYURETHANE LT-UNK ALUMINUM TRIHYDRATE (ATH) BM-2 ZEOLITE**  
**LT-UNK UNDISCLOSED LT - UNK | RES WHITE MINERAL OIL LT-UNK**  
**FIBERGLASS LT-UNK POLYETHYLENE TEREPHTHALATE (PET) LT-UNK**  
**POLYPROPYLENE LT-UNK CELLULOSE LT-UNK | RES CLAY LT-UNK |**  
**CAN TITANIUM DIOXIDE LT-1 | CAN | END ]**

Number of Greenscreen BM-4/BM3 contents ... 1  
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1  
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All ingredients have been screened against HPD authoritative lists, but not all CAS #'s have been disclosed to protect proprietary formulations.

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: FloorScore®  
Multi-attribute: Cradle to Cradle™ Certified V3.1 Silver

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

<p>Third Party Verified?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p>	<p>PREPARER: Self-Prepared</p> <p>VERIFIER:</p> <p>VERIFICATION #:</p>	<p>SCREENING DATE: 2021-01-22</p> <p>PUBLISHED DATE: 2021-01-22</p> <p>EXPIRY DATE: 2024-01-22</p>
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## 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 2.2, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-2-standard](http://www.hpd-collaborative.org/hpd-2-2-standard)

### BIODEBASED PU RESILIENT

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: All ingredients at or above 100 ppm are included in this HPD. Any residuals and impurities below 100 ppm are below the reporting threshold and are not considered. This is based on information provided to us by our raw material suppliers.

OTHER PRODUCT NOTES:

#### CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-22

#: 40.0000 - 59.0000 GS: BM-3 RC: None NANO: Unknown SUBSTANCE ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

#### POLYURETHANE

ID: 9009-54-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-22

#: 30.0000 - 50.0000 GS: LT-UNK RC: None NANO: Unknown SUBSTANCE ROLE: Polymer species

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

#### ALUMINUM TRIHYDRATE (ATH)

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-22

#: 1.0000 - 5.0000 GS: BM-2 RC: None NANO: Unknown SUBSTANCE ROLE: Flame retardant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES:

#### ZEOLITE

ID: 1318-02-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-22

#: 1.0000 - 5.0000 GS: LT-UNK RC: None NANO: Unknown SUBSTANCE ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: <b>Toxnot Chemical Hazard Screening Library</b>		HAZARD SCREENING DATE: <b>2021-01-22</b>	
%: <b>0.5000 - 1.0000</b>	GS: <b>LT - UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b> SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
RES	AOEC - Asthmagens	Rs	
SUBSTANCE NOTES: Additives			

**WHITE MINERAL OIL**

ID: **8042-47-5**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-22</b>	
%: <b>0.2000 - 0.5000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b> SUBSTANCE ROLE: <b>Processing regulator</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:			

**FIBERGLASS**

ID: **65997-17-3**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-22</b>	
%: <b>0.0000 - 3.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b> SUBSTANCE ROLE: <b>Glass component</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES:			

**POLYETHYLENE TEREPHTHALATE (PET)**

ID: **25038-59-9**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-22</b>	
%: <b>0.0000 - 3.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b> SUBSTANCE ROLE: <b>Polymer species</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS	
None found		No warnings found on HPD Priority Hazard Lists	
SUBSTANCE NOTES: PET			

**POLYPROPYLENE**

ID: **9003-07-0**

HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2021-01-22</b>	
%: <b>0.0000 - 3.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>Unknown</b> SUBSTANCE ROLE: <b>Polymer species</b>

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
SUBSTANCE NOTES:		

### CELLULOSE

ID: 9004-34-6

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> HAZARD SCREENING DATE: <b>2021-01-22</b>		
%: <b>0.0000 - 2.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b> NANO: <b>Unknown</b> SUBSTANCE ROLE: <b>Structure component</b>
SUBSTANCE NOTES:		

### CLAY

ID: 1332-58-7

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> HAZARD SCREENING DATE: <b>2021-01-22</b>		
%: <b>0.0000 - 2.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b> NANO: <b>Unknown</b> SUBSTANCE ROLE: <b>Filler</b>
SUBSTANCE NOTES:		

### TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
HAZARD SCREENING METHOD: <b>Pharos Chemical and Materials Library</b> HAZARD SCREENING DATE: <b>2021-01-22</b>		
%: <b>0.0000 - 0.1000</b>	GS: <b>LT-1</b>	RC: <b>None</b> NANO: <b>No</b> SUBSTANCE ROLE: <b>Pigment</b>
SUBSTANCE NOTES: Hazard in respirable form only; not available for exposure in finished product form.		

SUBSTANCE NOTES: Hazard in respirable form only; not available for exposure in finished product form.

## 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

### FloorScore®

CERTIFYING PARTY: SCS Global Services

ISSUE DATE: 2020-10-01

EXPIRY DATE: 2021-09-30

CERTIFIER OR LAB: Scientific Certification Systems

APPLICABLE FACILITIES: All

CERTIFICATE URL:

[https://www.scs-certified.com/products/cert\\_pdfs/Shaw\\_2020\\_SCS-FS-05137\\_s2.pdf](https://www.scs-certified.com/products/cert_pdfs/Shaw_2020_SCS-FS-05137_s2.pdf)

CERTIFICATION AND COMPLIANCE NOTES:

### MULTI-ATTRIBUTE

### Cradle to Cradle™ Certified V3.1 Silver

CERTIFYING PARTY: EPEA Switzerland

ISSUE DATE: 2020-05-06

EXPIRY DATE: 2022-03-21

CERTIFIER OR LAB: Cradle to Cradle™ Products Innovation Institute

APPLICABLE FACILITIES: All

CERTIFICATE URL:

<https://pdmsview.shawinc.com/viewer/doc/4466>

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.*

### SHAW 4151 ADHESIVE

HPD URL: No HPD Available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Shaw 4151 Adhesive (or equivalent) is recommended for use with Bio-based PU Resilient flooring. Additional information can be found at:

<https://qmsview.shawinc.com/viewer/doc/4334>.

## Section 5: General Notes

<https://www.shawcontract.com/en-US/Sustainability/People-Planet> See manufacturer-recommended accessories at

<https://www.shawcontract.com/en-US/TechnicalPage/Installation>

**MANUFACTURER INFORMATION**

MANUFACTURER: **Shaw Contract**  
 ADDRESS: **230 Douthit Ferry Road**  
**Cartersville GA 30120, United States**  
 WEBSITE: <https://www.shawcontract.com/en-us>

CONTACT NAME: **Melea Wade**  
 TITLE: **Product Sustainability Manager**  
 PHONE: **706-532-2181**  
 EMAIL: [melea.wade@shawinc.com](mailto:melea.wade@shawinc.com)

*The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.*

**KEY**

**Hazard Types**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<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>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)	

**Recycled Types**

**PreC** Pre-consumer recycled content  
**PostC** Post-consumer recycled content  
**UNK** Inclusion of recycled content is unknown  
**None** Does not include recycled content

**Other Terms:**

**GHS SDS** Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

**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.*