

HPD UNIQUE IDENTIFIER: 26986

CLASSIFICATION: 09 65 00 Resilient Flooring

PRODUCT DESCRIPTION: PURLINE by Windmoeller, is the first elastic organic flooring worldwide from Bio-polyurethane, made from natural and renewable materials. The PURLINE organic flooring made in various designs in sheet, tile and plank formats is easy to maintain, requiring no applied finish or harsh chemicals. PURLINE satisfies the highest environmental needs for healthy living spaces. PURLINE is odorless, free of chloride, plasticizers, solvents and has international certifications GreenGuard Gold, Cradle to Cradle c2c Silver, Floor Score, Declare, EPD

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
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

Explanation(s) provided for Residuals/Impurities?

- Yes
- No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No

One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.

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

PURLINE ORGANIC FLOORING [LIMESTONE BM-3dg
POLYURETHANE FOAMS LT-UNK ALUMINUM HYDROXIDE, DRIED
BM-2 CELLULOSE, MICROCRYSTALLINE LT-UNK | RES
CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE LT-UNK
POLYETHYLENE TEREPHTHALATE (PET) LT-UNK ZEOLITES LT-UNK
POLYPROPYLENE LT-UNK KAOLIN LT-UNK | CAN UNDISCLOSED LT-UNK | RES
WHITE MINERAL OIL LT-UNK TITANIUM DIOXIDE LT-1 | CAN | END]

Number of Greenscreen BM-4/BM3 contents ... 0

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: GreenGuard - Gold (previously Children & Schools)
VOC emissions: Danish Indoor Climate Labelling - Wall & ceiling systems Criteria
VOC emissions: RFCI FloorScore
Multi-attribute: C2CPII Material Health Certificate - Silver (V3.1)

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: 2022-01-04

PUBLISHED DATE: 2022-01-04

EXPIRY DATE: 2025-01-04

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

PURLINE ORGANIC FLOORING

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Ingredients are disclosed at 100ppm. 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: PURLINE, Products are sold through multiple sales partners under private label agreements and installed with 3rd party adhesive systems.

LIMESTONE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-01-04 11:18:25

#: 45.0000 - 59.0000 GS: BM-3dg RC: None NANO: No SUBSTANCE ROLE: Filler

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

SUBSTANCE NOTES:

POLYURETHANE FOAMS

ID: 9009-54-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-01-04 11:18:25

#: 30.0000 - 50.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Polymer species

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

SUBSTANCE NOTES:

ALUMINUM HYDROXIDE, DRIED

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-01-04 11:18:26

#: 1.0000 - 5.0000 GS: BM-2 RC: None NANO: No SUBSTANCE ROLE: Flame retardant

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

SUBSTANCE NOTES:

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-04 11:18:26		
#: 1.0000 - 2.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Film former
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced		
SUBSTANCE NOTES: AS per our description we refer to this material as Decor Paper. With the material role being Decor Paper.				

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE		ID: 65997-17-3		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-04 11:18:27		
#: 1.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
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: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-04 11:18:27		
#: 1.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES: A component of fiberglass to enhance stability and indentation resistance in the finished product.				

ZEOLITES		ID: 1318-02-1		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-04 11:18:28		
#: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

POLYPROPYLENE		ID: 9003-07-0		
HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-01-04 11:18:28		
#: 1.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
SUBSTANCE NOTES:				

KAOLIN

ID: 1332-58-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-04 11:18:29**%: **1.0000 - 2.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Used as a filler for the decor paper.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-04 11:18:29**%: **0.5000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Additives and decor paper dyes

WHITE MINERAL OILID: **8042-47-5**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-04 11:18:30**%: **0.2000 - 0.5000** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Defoamer**

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

SUBSTANCE NOTES: Foaming regulator for the printing process. No human exposure in the finished product.

TITANIUM DIOXIDEID: **13463-67-7**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-04 11:18:30**%: **0.0000 - 0.1000** GS: **LT-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS

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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]

SUBSTANCE NOTES: Not available for human exposure in the finished product.

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	GreenGuard - Gold (previously Children & Schools)		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2019-06-13	EXPIRY DATE: 2022-06-13	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: All			
CERTIFICATE URL: https://www.ul.com/services/greenguard-certification			
CERTIFICATION AND COMPLIANCE NOTES: UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Certificate # 173477-420 Flooring products are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.			

VOC EMISSIONS	Danish Indoor Climate Labelling - Wall & ceiling systems Criteria		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2020-12-07	EXPIRY DATE: 2025-12-07	CERTIFIER OR LAB: Danish Technology Institute
APPLICABLE FACILITIES: ALL			
CERTIFICATE URL: https://indeklimamaerket.dk/about-danish-indoor-climate-labelling/			https://indeklimamaerket.dk/
CERTIFICATION AND COMPLIANCE NOTES: Danish Indoor Climate Labelling Certificate no. 116 Danish Indoor Climate Labelling Gregersensvej 2630 Taastrup indeklimamaerket@teknologisk.dk https://indeklimamaerket.dk/			

VOC EMISSIONS	RFCI FloorScore		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-09-07	EXPIRY DATE: 2022-09-30	CERTIFIER OR LAB: SCS Global Services
APPLICABLE FACILITIES: All			
CERTIFICATE URL: https://www.scsglobalservices.com/certified-green-products-guide?q=purline			
CERTIFICATION AND COMPLIANCE NOTES: FloorScore® https://www.scs-certified.com/docs/FS_infosheet_v1.pdf SCS-FS-05093 https://www.scsglobalservices.com/certified-green-products-guide?pd_pid=45794 SCS Global Services			

MULTI-ATTRIBUTE	C2CPII Material Health Certificate - Silver (V3.1)		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2018-03-22	EXPIRY DATE: 2022-03-22	CERTIFIER OR LAB: EPEA Switzerland
APPLICABLE FACILITIES: All			
CERTIFICATE URL: https://www.c2ccertified.org/products/scorecard/flooring-made-from-polyurethane-wpt-gmbh-windmoeller-polymer-techno			
CERTIFICATION AND COMPLIANCE NOTES: https://www.c2ccertified.org/products/scorecard/flooring-made-from-polyurethane-wpt-gmbh-windmoeller-polymer-techno			

MULTI-ATTRIBUTE	ILFI Declare - LBC Compliant - Third Party Verified		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-11-01	EXPIRY DATE: 2022-11-01	CERTIFIER OR LAB: International Living Future Institute
APPLICABLE FACILITIES: All			
CERTIFICATE URL: https://declare.living-future.org/products/purline-resilient-polyurethane-floor-covering			
CERTIFICATION AND COMPLIANCE NOTES: WAP Sustainability consulting DECLARE IDWDM-0001 International Living Future Institute living-future.org/declare https://declare.living-future.org/			

LCA	Environmental Product Declaration		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2018-09-18	EXPIRY DATE: 2023-09-17	CERTIFIER OR LAB: Institute Bauen Und Umwelt e.v (IBU) lab
APPLICABLE FACILITIES: all			
CERTIFICATE URL: http://ibu-epd.com/en/published-epds/			
CERTIFICATION AND COMPLIANCE NOTES: Environmental product attribute as per/ ISO 14025 and /EN 15804/ Declaration Number EPD-WIN-			

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.

No accessories are required for this product.

Section 5: General Notes

Adhesives are used for the flooring category "DRY BACKED Rolls/Sheet, Modular Tile and Plank.

PURLINE Organic flooring products are sold through multiple selling partners who will supply the needed adhesives.

The basic adhesive requirements are a water based zero to low VOC liquid adhesive or applicable taping system.

These adhesives can be manufactured at multiple facilities in North American and Europe.

MANUFACTURER INFORMATION

MANUFACTURER: Windmoeller
ADDRESS: 1395 South Marrietta parkway S.E. Bldg.200
 suite #208
 Marrietta GA 30067, United States
WEBSITE: www.windmoeller.de/en

CONTACT NAME: Tracy Sisley
TITLE: North American Business Development Manager
PHONE: 12066185344
EMAIL: tracy.sisley@windmoellerinc.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

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK 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.)
BM-2 Benchmark 2 (use but search for safer substitutes)	NoGS No GreenScreen.
BM-1 Benchmark 1 (avoid - chemical of high concern)	
BM-U Benchmark Unspecified (due to insufficient data)	
LT-P1 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.