

CLASSIFICATION: 09 68 13

PRODUCT DESCRIPTION: Mohawk Group EcoFlex NXT Modular Carpet Tiles have a composite construction of a tufted nylon face, primary backing, fiberglass scrim, pre-coat polymer with an extruded polyolefin modular backing. It also incorporates an average of 53% recycled content. The EcoFlex Modular Carpet Tiles with Solution-Dyed Nylon are also Living Building Challenge Red List Free.

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

**NYLON MODULAR CARPET TILES ON ECOFLEX™ NXT [NYLON 6 LT-UNK
LIMESTONE; CALCIUM CARBONATE LT-UNK ETHYLENE-PROPYLENE
COPOLYMER LT-UNK CALCIUM CARBONATE BM-3 POLYETHYLENE
TEREPHTHALATE (PET) LT-UNK CONTINUOUS FILAMENT GLASS FIBER,
NON-RESPIRABLE LT-UNK 2-PROPENOIC ACID, 2-METHYL-, METHYL
ESTER, POLYMER WITH 1,3-BUTADIENE (BUTADIENE ACRYLATE) NoGS
2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH ETHYL 2-
PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-
PROPENAMIDE AND 2-PROPENENITRILE LT-UNK POLYPROPYLENE LT-
UNK 2,5-FURANDIONE, POLYMER WITH ETHENE AND 1-PROPENE LT-
UNK BENZENESULFONIC ACID, HYDROXY-, MONOSODIUM SALT,
POLYMER WITH FORMALDEHYDE AND 4,4'-SULFONYLBIS[PHENOL] LT-
UNK POLYETHYLENE LT-UNK NYLON 6,6 LT-UNK NYLON 6 (WITH STAIN
RESISTANCE) LT-UNK 2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER,
POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-
PROPENOATE LT-UNK]**

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest concern GreenScreen

Benchmark or List translator Score ... LT-UNK

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Inventory disclosed per threshold.

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: CRI Green Label Plus

Recycled content: UL Environmental Claim Validation - Recycled content

Other: ILFI Declare - Red List Free

Multi-attribute: Environmental Product Declaration (EPD) by UL

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes

PREPARER: Self-Prepared

VERIFIER:

SCREENING DATE: 2018-08-27

PUBLISHED DATE: 2018-08-27



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

NYLON MODULAR CARPET TILES ON ECOFLEX™ NXT

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities were considered based on best practices of raw material suppliers, Mohawk EHS policies, and enrollment in CRI's GLP program for IAQ.

OTHER PRODUCT NOTES: Mohawk's EHS policies considered for each raw material residual and impurity. The residuals have been evaluated to California Department of Public Health Version 1.1

NYLON 6

ID: 25038-54-4

#: 25.0000 - 35.0000 GS: LT-UNK RC: PreC NANO: No ROLE: Face Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Face Fiber with pre-consumer recycled content may be combined with Nylon 6,6 fibers for styling and design purposes.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: 25.0000 - 40.0000 GS: LT-UNK RC: PreC NANO: No ROLE: Coating Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The recycled content is 3rd party verified.

ETHYLENE-PROPYLENE COPOLYMER

ID: 9010-79-1

#: 10.0000 - 20.0000 GS: LT-UNK RC: None NANO: No ROLE: Backing ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Backing ingredient

CALCIUM CARBONATE

ID: 471-34-1

%: 8.0000 - 10.0000	GS: BM-3	RC: PreC	NANO: No	ROLE: PreCoat Filler
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The recycled content is 3rd party verified.

POLYETHYLENE TEREPHTHALATE (PET)

ID: 25038-59-9

%: 4.0000 - 10.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Backing Ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Backing Ingredient

CONTINUOUS FILAMENT GLASS FIBER, NON-RESPIRABLE

ID: 65997-17-3

%: 1.0000 - 2.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Backing ingredient
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Backing ingredient

2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER, POLYMER WITH 1,3-BUTADIENE (BUTADIENE ACRYLATE)

ID: 25232-40-0

%: 1.0000 - 5.0000	GS: NoGS	RC: None	NANO: No	ROLE: Backing
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Butadiene Acrylate

2-PROPENOIC ACID, BUTYL ESTER, POLYMER WITH ETHYL 2-PROPENOATE, N-(HYDROXYMETHYL)-2-PROPENAMIDE, 2-PROPENAMIDE AND 2-PROPENITRILE

ID: 61467-52-5

%: 0.0100 - 0.2000	GS: LT-UNK	RC: None	NANO: No	ROLE: Acrylic Binder in Scrim
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Backing ingredient**

POLYPROPYLENE

ID: **9003-07-0**

#: **0.0100 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Backing ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Backing ingredient**

2,5-FURANDIONE, POLYMER WITH ETHENE AND 1-PROPENE

ID: **31069-12-2**

#: **0.0100 - 0.1000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Backing ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Backing ingredient**

BENZENESULFONIC ACID, HYDROXY-, MONOSODIUM SALT, POLYMER WITH FORMALDEHYDE AND 4,4'-SULFONYLBIS[PHENOL]

ID: **71832-81-0**

#: **0.0010 - 0.0500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Fiber treatment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Fiber treatment**

POLYETHYLENE

ID: **9002-88-4**

#: **0.0010 - 0.0500** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Backing ingredient**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **Backing ingredient**

NYLON 6,6

ID: **32131-17-2**

#: **0.0000 - 10.0000** GS: **LT-UNK** RC: **PreC** NANO: **No** ROLE: **Styling Yarns**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Nylon 6,6 yarns may be combined with Nylon 6 for styling and design purposes.

NYLON 6 (WITH STAIN RESISTANCE)

ID: 25038-54-4

#: **0.0000 - 25.0000** GS: **LT-UNK** RC: **PreC** NANO: **No** ROLE: **Face Fiber**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Face Fiber with inherent stain resistance may be combined with Nylon 6,6 fibers for styling and design purposes.

2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE

ID: 25322-99-0

#: **0.0000 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Fiber treatment**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Fiber treatment

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

CRI Green Label Plus

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2009-03-19** EXPIRY DATE: **2019-03-31** CERTIFIER OR LAB: **CRI**
APPLICABLE FACILITIES: **Glasgow, VA**
CERTIFICATE URL: <http://www.mohawkgroup.com>

CERTIFICATION AND COMPLIANCE NOTES: The EcoFlex NXT Modular Tiles were tested at the Underwriters Laboratory in accordance with the California Department of Public Health Version 1.1. The CRI Green Label Plus program is a recognized third-party certification program for LEED V4 EQ Credit Low-Emitting materials.

RECYCLED CONTENT

UL Environmental Claim Validation - Recycled content

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2016-01-16** EXPIRY DATE: **2018-11-28** CERTIFIER OR LAB: **UL**
APPLICABLE FACILITIES: **Glasgow, VA**
CERTIFICATE URL: <http://www.mohawkgroup.com>

CERTIFICATION AND COMPLIANCE NOTES: **Total Average Recycled Content 53%**

OTHER

ILFI Declare - Red List Free

CERTIFYING PARTY: **Self-declared** ISSUE DATE: **2016-11-01** EXPIRY DATE: **2018-11-01** CERTIFIER OR LAB: **ILFI**
APPLICABLE FACILITIES: **Glasgow VA**
CERTIFICATE URL: <http://www.declareproducts.com>

CERTIFICATION AND COMPLIANCE NOTES: **Red List Free**

MULTI-ATTRIBUTE

Environmental Product Declaration (EPD) by UL

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2014-05-23** EXPIRY DATE: **2019-05-23** CERTIFIER OR LAB: **UL**
APPLICABLE FACILITIES: **Glasgow VA**
CERTIFICATE URL: <http://www.spot.ulprospector.com/en/na/BuiltEnvironment>

CERTIFICATION AND COMPLIANCE NOTES: Life Cycle Analysis (LCA) was performed and Peer Reviewed against ISO 14040-14044 to insure all requirements were met. The NSF Product Category Rules were utilized as a basis for the Environmental Product Declaration (EPD), the Underwriters Laboratory (UL) was chosen as the Program Operator. The PD was reviewed and approved by UL prior to publishing on their website.

MULTI-ATTRIBUTE

NSF/ANSI 140-2007e - Gold

CERTIFYING PARTY: **Third Party** ISSUE DATE: **2011-08-25** EXPIRY DATE: **2018-12-31** CERTIFIER OR LAB: **NSF**
APPLICABLE FACILITIES: **Glasgow VA**
CERTIFICATE URL: <http://www.mohawkgroup.com>

CERTIFICATION AND COMPLIANCE NOTES: **NSF140**

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.

ENPRESS ADHESIVE

HPD URL: <http://www.mohawkgroup.com>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Required to use either Mohawk EnPress Adhesive or the FlexLok Installation System for warranties.

FLEXLOK INSTALLATION SYSTEM

HPD URL: <http://www.mohawkgroup.com>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Required to use either FlexLok Installation System or Mohawk EnPress Adhesive for warranties.

Section 5: General Notes

The EcoFlex NXT modular carpet tiles are up to 40% lighter than similar competitive products. The tiles have an average of 53% recycled content.



MANUFACTURER INFORMATION

MANUFACTURER: **Mohawk Group**
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Calhoun GA 30701, USA
 WEBSITE: **Http://www.mohawkind.com**

CONTACT NAME: **George Bandy**
 TITLE: **Vice President of Sustainability**
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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

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

GreenScreen (GS)

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