

CLASSIFICATION: 09 68 20 Carpeting - Broadloom Carpeting

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Commercial Nylon Broadloom Carpet on Unibond Plus is an advanced high performance backing system designed to provide long term carpet durability while delivering sustainability benefits. The Unibond Plus backing system utilizes a high performance thermoset adhesive designed to deliver greater dimensional stability and long term performance by encapsulating the carpet back stitch and securing the secondary backing to the substrate. The advanced thermoset adhesive contains an average of 34% post-industrial content.

**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**  
Percent Weight and Role Provided?  Yes  No

**Screened**  
Using Priority Hazard Lists with Results Disclosed?  Yes  No

**Identified**  
Name and Identifier Provided?  Yes  No

**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**

BROADLOOM CARPET ON UNIBOND® PLUS BACKING [ LIMESTONE; CALCIUM CARBONATE **LT-UNK** STYRENE BUTADIENE RUBBER (SBR) **LT-UNK** POLYPROPYLENE (POLYPROPYLENE) **LT-UNK** NYLON 6 **LT-UNK** NYLON 6,6 **LT-UNK** 2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE (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..... 0  
Contents highest concern GreenScreen  
Benchmark or List translator Score..... LT-UNK  
Nanomaterial..... No

**INVENTORY AND SCREENING NOTES:**

The nylon broadloom carpet on Unibond Plus is a high performance backing system designed to provide long term carpet durability while delivering sustainability benefits, The carpet is also Living Building Challenge Red List Free.

**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  
LCA: Environmental Product Declaration (EPD) by UL - Industry Generic  
Multi-attribute: NSF/ANSI 140-2007e - Gold  
Other: ILFI Declare - Red List Free

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2017-10-30

PUBLISHED DATE: 2017-10-31

EXPIRY DATE: 2020-10-30

## 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)

### BROADLOOM CARPET ON UNIBOND® PLUS BACKING

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, MHK's EHS policies, and enrollment in CRI's GLP program for IAQ.

OTHER PRODUCT NOTES: Material contains all ingredients at the specified level of exposure. The residuals have been evaluated to California Department of Public Health Version 1.1

#### LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: 20.0000 - 30.0000 GS: LT-UNK RC: PreC NANO: No ROLE: Backing Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The calcium carbonate filler is a mined product from the ground and is crushed to a specific size for use in the backing formulation.

#### STYRENE BUTADIENE RUBBER (SBR)

ID: 9003-55-8

#: 10.0000 - 20.0000 GS: LT-UNK RC: None NANO: No ROLE: Coating Adhesive

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Adhesive added to the back of the carpet to provide dimensional stability and performance.

#### POLYPROPYLENE (POLYPROPYLENE)

ID: 9003-07-0

#: 5.0000 - 9.0000 GS: LT-UNK RC: PostC NANO: No ROLE: Backing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The primary and secondary backings include a small amount of post-consumer content.

#### NYLON 6

ID: 25038-54-4

%: 0.0000 - 55.0000

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Carpet Yarn

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The Nylon 6 carpet yarn contains pre-consumer content, may or may not be combined with other fibers, the range varies in combination of Nylon 6.6 depending on design and styling preference.

### NYLON 6,6

ID: 32131-17-2

%: 0.0000 - 55.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Carpet Fiber

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: The carpet fiber may be used alone or combined with Nylon 6 for design and styling purposes.

### 2-PROPENOIC ACID, 2-METHYL-, BUTYL ESTER, POLYMER WITH BUTYL 2-PROPENOATE AND METHYL 2-METHYL-2-PROPENOATE (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: Yarn Treatment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Yarn 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: 2004-10-

EXPIRY DATE: 2017-

CERTIFIER OR LAB: CRI

APPLICABLE FACILITIES: Chatsworth, Ga.

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11-14

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Unibond Plus was 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 certification program for LEED V4 EQ Credit Low-Emitting Materials.

### LCA

### Environmental Product Declaration (EPD) by UL - Industry Generic

CERTIFYING PARTY: Third Party      ISSUE DATE: 2014-01-21      EXPIRY DATE: 2019-01-21      CERTIFIER OR LAB: Underwriters Laboratory

APPLICABLE FACILITIES: Chatsworth GA  
CERTIFICATE URL: <https://spot.ulprospector.com/en/na/BuiltEnvironment>

CERTIFICATION AND COMPLIANCE NOTES: A 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 EPD 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: Chatsworth GA  
CERTIFICATE URL: <http://mohawkgroup.com>

CERTIFICATION AND COMPLIANCE NOTES:

**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: Chatsworth, GA  
CERTIFICATE URL: <https://www.living-future.org/declare/>

CERTIFICATION AND COMPLIANCE NOTES: Red List Free

**RECYCLED CONTENT**      **UL Environmental Claim Validation - Recycled content**

CERTIFYING PARTY: Third Party      ISSUE DATE: 2015-04-03      EXPIRY DATE: 2018-04-03      CERTIFIER OR LAB: UL  
APPLICABLE FACILITIES: Chatsworth GA  
CERTIFICATE URL: <http://www.mohawkgroup.com>

CERTIFICATION AND COMPLIANCE NOTES: Tufted Nylon Broadloom Carpet on Unibond® Plus Backing contains an average of 34% pre-consumer recycled content.

## 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.*

**MOHAWK NUBROADLOK MULTI-PURPOSE ADHESIVE**      HPD URL: <http://www.mohawkgroup.com>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:  
The use of Mohawk Group branded adhesives for installation is required to ensure optimum results and are only approved adhesives warranted by Mohawk Group. Failure to use Mohawk Group branded adhesives could result in installation failures and the warranty would be null and void.

## Section 5: General Notes

Tufted Broadloom Carpet on Unibond Plus Backing is an advanced high performance backing system designed to bring long term carpet durability while delivering sustainability benefits. The Unibond Plus backing system utilizes a high performance

thermoset adhesive designed to deliver greater dimensional stability and long term performance by encapsulating the carpet back stitch and securing the secondary backing to the substrate.

## Section 6: References

### MANUFACTURER INFORMATION

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MANUFACTURER: **Mohawk Group**

ADDRESS: **160 South Industrial Blvd**

**Calhoun GA 30701, USA**

WEBSITE: **www.mohawkind.com**

CONTACT NAME: **George Bandy**

TITLE: **Vice President of Sustainability**

PHONE: **706-629-7721**

EMAIL: **george\_bandy@mohawkind.com**

### KEY

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**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

**CAN** Cancer

**DEV** Developmental toxicity

**END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**MAM** Mammalian/systemic/organ toxicity

**MUL** Multiple hazards

**NEU** Neurotoxicity

**OZO** Ozone depletion

**PBT** Persistent Bioaccumulative Toxic

**PHY** Physical Hazard (reactive)

**REP** Reproductive toxicity

**RES** Respiratory sensitization

**SKI** Skin sensitization/irritation/corrosivity

**LAN** Land Toxicity

**NF** Not found on Priority Hazard Lists

### GreenScreen (GS)

**BM-4** Benchmark 4 (prefer-safer chemical)

**BM-3** Benchmark 3 (use but still opportunity for improvement)

**BM-2** Benchmark 2 (use but search for safer substitutes)

**BM-1** Benchmark 1 (avoid - chemical of high concern)

**BM-U** Benchmark Unspecified (insufficient data to benchmark)

**LT-P1** List Translator Possible Benchmark 1

**LT-1** List Translator Likely Benchmark 1

**LT-UNK** List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

**NoGS** Unknown (no data on List Translator Lists)

### 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.