

CLASSIFICATION: 09 68 13.00 FINISHES: TILE CARPETING

created via: HPDC Online Builder

PRODUCT DESCRIPTION: THIS HPD COVERS ALL PRODUCTS UNDER BENTLEY MILLS' AFIRMA HARDBACK.
PRODUCT CONSTRUCTION INCLUDES NYLON 6,6 FACE FIBER AND THERMOPLASTIC HARDBACK.

Section 1: Summary

CONTENT INVENTORY

- | | |
|--|--|
| Threshold per material | Residuals and impurities considered in |
| <input checked="" type="radio"/> 100 ppm | 1 of 1 materials |
| <input type="radio"/> 1,000 ppm | <input checked="" type="radio"/> see Section 2: Material |
| <input type="radio"/> Per GHS SDS | Notes |
| <input type="radio"/> Per OSHA MSDS | <input type="radio"/> see Section 5: General |
| <input type="radio"/> Other | Notes |

Based on the selected Content Inventory Threshold:

- | | |
|---|--|
| Characterized..... | <input checked="" type="radio"/> <input type="radio"/> |
| Are the Percent Weight and Role provided for all substances? | Yes No |
| Screened..... | <input checked="" type="radio"/> <input type="radio"/> |
| Are all substances screened using Priority Hazard Lists with results disclosed? | Yes No |
| Identified..... | <input checked="" type="radio"/> <input type="radio"/> |
| Are all substances disclosed by Name (Specific or Generic) and Identifier? | 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.

Number of Greenscreen BM-4/BM3 contents.....
0
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-UNK
Nanomaterial..... No

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

AFIRMA™ HARDBACK TILE [POLYETHYLENE **LT-UNK** NYLON 6,6 **LT-UNK** LIMESTONE; CALCIUM CARBONATE **LT-UNK** POLYESTER ETHYLENE VINYL ACETATE POLYMER (EVA) **LT-UNK** ALUMINA TRIHYDRATE **BM-2** | RES GLASS / MINERAL FIBER **LT-UNK** POLYACRYLIC ACID, SODIUM SALT **LT-UNK**]

INVENTORY AND SCREENING NOTES:

Bentley Mills, Inc. has enlisted ToxServices LLC to accurately create this HPD assessed to the ingredient disclosure level of 100 ppm.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

CERTIFICATIONS AND COMPLIANCE

VOC Content data is not applicable for this product category.

Self-Published* VERIFIER: SCREENING DATE: June 9, 2016 EXPIRY DATE*: June 9, 2019
 Third Party Verified VERIFICATION #: RELEASE DATE: June 9, 2016 * or within 3 months of significant change in product contents
 *See HPDC website for details



Section 2: Content in Descending Order of Quantity

This section lists materials in a product and the substances in each material based on the Inventory Threshold for each material. If residuals or impurities from the manufacturing or extraction processes are considered for a material, these are inventoried and characterized to the extent described in the Material and/or General Notes. Chemical substances are screened against the HPD Priority Hazard Lists for human and environmental health impacts. Screening is based on best available information; "Not Found" does not necessarily mean there is no potential hazard associated with the product or its contents. More information about Priority Hazard Lists and the GreenScreen can be found online: www.hpd-collaborative.org and www.greenscreenchemicals.org.

AFIRMA™ HARDBACK TILE

%: 100.0000

HPD URL:

Inventory Threshold: 100 ppm

Residuals Considered: Yes

Material Notes:

POLYETHYLENE

ID: 9002-88-4

%: 35.3700 - 48.1400 GS: LT-UNK RC: None NANO: NO ROLE: Laminate

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

NYLON 6,6

ID: 32131-17-2

%: 20.2600 - 63.6800 GS: LT-UNK RC: None NANO: NO ROLE: Face Fiber

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES: Recycled content will vary by style and color.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 9.4800 - 12.8700 GS: LT-UNK RC: None NANO: NO ROLE: Backing Filler

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYESTER

ID: 113669-95-7

%: 6.0400 - 8.2200 GS: RC: None NANO: NO ROLE: Backing

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ETHYLENE VINYL ACETATE POLYMER (EVA)

ID: 24937-78-8

%: 5.4000 - 7.3600 GS: LT-UNK RC: None NANO: NO ROLE: Precoat

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

ALUMINA TRIHYDRATE

ID: 21645-51-2

%: 2.7000 - 3.6800 GS: BM-2 RC: None NANO: NO ROLE: Binder Component

HAZARDS: AGENCY(IES) WITH WARNINGS:

RESPIRATORY AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES:

GLASS / MINERAL FIBER

ID: 65997-17-3

%: 1.7700 - 2.4100 GS: LT-UNK RC: None NANO: NO ROLE: Stabilizer

HAZARDS: AGENCY(IES) WITH WARNINGS:

None Found No warnings found on HPD Priority lists

SUBSTANCE NOTES:

POLYACRYLIC ACID, SODIUM SALT

ID: 9003-04-7

%: 0.0010 - 0.0100 GS: LT-UNK RC: None NANO: NO ROLE: Binder Component

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.

MULTI-ATTRIBUTE

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: www.bentleymills.com/sustainability/certificate-awards/
CERTIFICATION AND COMPLIANCE NOTES: CERTIFICATION # 2637

Cradle to Cradle Certified™ Silver (Version 3.1)

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2015-11-19	2017-11-18	McDonough Braungart Design Chemistry (MBDC)

MULTI-ATTRIBUTE

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: info.nsf.org/Certified/Sustain/listings.asp
CERTIFICATION AND COMPLIANCE NOTES: CERTIFICATION # C0002413-110

NSF Sustainable Carpet Assessment Standard - ANSI/NSF 140-2007e - Platinum

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2014-12-22	2017-12-31	NSF International for the Carpet & Rug Institute

VOC EMISSIONS

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: www.carpet-rug.org/glpproducts
CERTIFICATION AND COMPLIANCE NOTES: For 14X Pre dyed Nylon with Amorphous Resin Backing (GLP1853); ANSI Certification #0754

Green Label Plus Indoor Air Quality Testing Program

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2013-05-24	2016-12-31	The Carpet and Rug Institute, Inc.

VOC EMISSIONS

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: All
CERTIFICATE URL: www.carpet-rug.org/glpproducts
CERTIFICATION AND COMPLIANCE NOTES: For 6Y Postdyed Nylon with Amorphous Resin Backing (GLP8866); ANSI Certification #0754

Green Label Plus Indoor Air Quality Testing Program

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2013-05-24	2016-12-31	The Carpet and Rug Institute, Inc.

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.

NEXSTEP 2300 ULTRA GREEN PLUS TILE ADHESIVE (VOC 0.00 G/L)

HPD URL: No HPD link provided

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Bentley Mills, Inc. recommended adhesive should be utilized to aid in the proper installation of AFIRMA™ Hardback Tile products and to ensure the product warranty.

Section 5: General Notes

This product has undergone a Cradle to Cradle Certified™ Certification evaluation and has achieved a Silver level certification. The assessment is conducted by an accredited assessor with expertise in toxicology and chemistry. Companies pursuing certification commit to phasing out problematic ingredients that have been identified. The material health score indicates how much progress has been made in optimizing the product. Bentley's standard broadloom, High PerformancePC, and tile products, AFIRMA Hardback and NexStep® Cushion, have both been certified at the Silver Level under version 2.0. Beauty. Service. Quality. Partnership. For over 30 years, these tenants have driven Bentley™ - California's largest carpet design and manufacturing corporation. Our award-winning broadloom, carpet tile and area rug products exude high performance and have earned superior Textile Appearance Retention Ratings (TARR), Cradle to Cradle Certified™, Green Label Plus certification and NSF-140 Gold certifications. Bentley manufactures in a LEED for Existing Buildings Gold Certified facility and is a multi-year recipient of the GSA Evergreen Award. This product also makes the claim to be Living Building Challenge Red List Free.

**MANUFACTURER INFORMATION**

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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) BM-2	LT-1 List Translator Likely Benchmark 1
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)	UNK 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

Nano Composed of nanoscale particles or nanotechnology

Declaration Level

Self-declared Manufacturer's self-declaration (First Party)
Independent Lab Manufacturer's self-declaration using results from an independent lab
Second Party Verification by trade association or other interested party
Third Party Verification by independent certifier
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 does not provide an assessment of health impacts throughout the product life cycle. It does not provide an assessment of exposure or risk associated with product handling or use. It also does not address potential health impacts of: (i) substances used or created during the manufacturing process unless they remain in the final product, or (ii) substances created after the product is delivered for end use (e.g., if the product burns, degrades, or otherwise changes chemical composition).

The HPD Open Standard was created and is maintained and evolved by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry. The HPD Collaborative is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

A disclosure completed in compliance with the HPD Open Standard is referred to as a "Health Product Declaration," or "HPD." 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 Open Standard noted.