

HPD UNIQUE IDENTIFIER: 25313

CLASSIFICATION: 09 67 23 Resinous Flooring

PRODUCT DESCRIPTION: EPI Advanced base is a durable, polyurethane self-levelling flooring system with tough-elastic properties. It withstands daily foot traffic and remains attractive in the long term. It can be finished with a texture or smooth and gives a seamless tight finish.

Section 1: Summary

Nested Method / Material Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input checked="" type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	Residuals/Impurities	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	Considered in 2 of 2 Materials	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	Explanation(s) provided	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Material	<input type="radio"/> Other	for Residuals/Impurities?	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
			<i>All substances disclosed by Name (Specific or Generic) and Identifier.</i>

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

[EPI FLOORING 60MP COMP. A](#) [EPI FLOORING 60MP COMP. B](#) [
[POLYMETHYLENE POLYPHENYL ISOCYANATE \(PRIMARY CASRN IS 9016-87-9\)](#) [LT-UNK](#) | MUL | RES | CAN [4,4'-DIPHENYLMETHANE DIISOCYANATE](#) [LT-UNK](#) | CAN | MUL | RES | SKI | EYE [2,4'-DIPHENYLMETHANE DIISOCYANATE](#) [LT-UNK](#) | CAN | MUL | SKI | EYE | RES]

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:

See material notes

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): < 50 g/ltr Regulatory (g/l): < 50 g/ltr
Does the product contain exempt VOCs: No
Are ultra-low VOC tints available: Yes

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC content: Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
VERIFICATION #:

SCREENING DATE: 2021-07-08

PUBLISHED DATE: 2021-07-08

EXPIRY DATE: 2024-07-08

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

EPI FLOORING 60MP COMP. A %: 0.0000 - 85.0000

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: No MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on information from raw material suppliers

OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold. Base material is no hazardous substance.

EPI FLOORING 60MP COMP. B %: 0.0000 - 15.0000

MATERIAL THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Partially MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Based on information from raw material suppliers residuals and impurities may be partially considered.

OTHER MATERIAL NOTES: Hardener material

POLYMETHYLENE POLYPHENYL ISOCYANATE (PRIMARY CASRN IS 9016-87-9)

ID: 247940-58-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-08 2:10:36

%: 50.0000 - 100.0000 GS: LT-UNK RC: UNK NANO: Unknown SUBSTANCE ROLE: Activator

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	AOEC - Asthmagens	Asthmagens (G) - generally accepted
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES:

4,4'-DIPHENYLMETHANE DIISOCYANATE

ID: 101-68-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-07-08 1:36:21

%: 10.0000 - 25.0000 GS: LT-UNK RC: UNK NANO: Unknown SUBSTANCE ROLE: Activator

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	AOEC - Asthmagens	Asthmagen (G) - generally accepted
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization
RES	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES:

2,4'-DIPHENYLMETHANE DIISOCYANATE

ID: 5873-54-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-07-08 1:38:02**

#: **10.0000 - 25.0000** GS: **LT-UNK** RC: **UNK** NANO: **Unknown** SUBSTANCE ROLE: **Activator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H351 - Suspected of causing cancer
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
SKI	EU - GHS (H-Statements)	H315 - Causes skin irritation
EYE	EU - GHS (H-Statements)	H319 - Causes serious eye irritation
RES	EU - GHS (H-Statements)	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
SKI	EU - GHS (H-Statements)	H317 - May cause an allergic skin reaction
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

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.

VOC EMISSIONS CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: Self-declared
ISSUE DATE: 2020-07-07 EXPIRY DATE: 2025-07-07 CERTIFIER OR LAB: Eurofins Product Testing A/S
APPLICABLE FACILITIES: EPI Industrial & Traffic Surfaces B.V.
CERTIFICATE URL: <https://en.epifloors.com/quality-and-certification/>

CERTIFICATION AND COMPLIANCE NOTES: EPI Advanced base is tested and passed the test for this subject.

VOC CONTENT Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD

CERTIFYING PARTY: Self-declared
ISSUE DATE: 2020-07-07 EXPIRY DATE: CERTIFIER OR LAB: EPI Laboratory
APPLICABLE FACILITIES: EPI Industrial & Traffic Surfaces B.V.
CERTIFICATE URL: <https://en.epifloors.com/quality-and-certification/>

CERTIFICATION AND COMPLIANCE NOTES: EPI Laboratory has conducted VOC calculations on this product.

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

PROUD OF OUR FLOORS

EPI is an independent Dutch family company. We are proud to be free in the choices that we make. For three decades already, we have put our heart and soul into the development and design of first-class designer seamless, self-levelling floors. This passion results in sensational floor products and spectacular projects.

ONLY THE BEST

We put innovation and research first. Only the best is good enough. As manufacturer, supplier and distributor, we manage the entire production chain. That's why we can fully guarantee the quality of the floors we deliver.

SPECIALIS INSTALLERS

At EPI we produce floors. We do not install them. We entrust this to our worldwide network of specialist installers. Without exception our partners love their craft and have an eye for detail. When you choose an EPI floor we connect you to a specialist installer near you.

CERTIFIED PRODUCTS

Complying with the applicable regulations is our concern. We don't want our customers to have to figure out themselves whether our systems are developed and supplied in accordance with the most recent standards. As such, we supply our products in accordance with the applicable NEN-ISO 9001/14001 standards. The specifications of our floors are also listed in the Dutch STABU register.

QUALITY AND ENVIRONMENT

We invest a lot of time and money into developing innovative, environmentally friendly products. That's why EPI floors are guaranteed to be durable and stay in good condition longer than floor systems from other manufacturers. For example, the lifespan of an EPI Superbase cast floor is an unparalleled thirty to forty years. Only the top layer has to be refurbished every seven to twelve years. Additionally, an EPI floor can always serve as a base for an entirely new floor.

Our floor systems are solvent-free and/or water-based, minimising the emission of volatile organic compounds. EPI products mainly contain natural raw materials such as biopolymers and natural fillers.

EPI PU resin floors are primarily based on pure and modified vegetal oils, combined with mineral fillers and pigments. Our floors are free from solvents and PVC and contain no chemical thinners. The products don't contain any volatile organic components (VOC-free) and therefore have nearly no emissions after the products have hardened.

<https://en.epifloors.com>

MANUFACTURER INFORMATION

MANUFACTURER: EPI Synthetic Surface Materials B.V.
ADDRESS: duikboot 1-7
Houten Utrecht 3991 CK, Netherlands
WEBSITE: www.epifloors.com

CONTACT NAME: S van Laerhoven
TITLE: Technical productmanager
PHONE: +31 30 293 36 64
EMAIL: sander.vlaerhoven@epifloors.nl

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)	
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)	NoGS No GreenScreen.

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.