

HPD UNIQUE IDENTIFIER: 25152

CLASSIFICATION: 09 69 13 Rigid-Grid Access Flooring

PRODUCT DESCRIPTION: The Alpha V pedestal fully complies with light, medium & heavy grade requirements of the PSA mob PF2 PS/SPU spec. Alpha pedestals are a zinc plated steel construction; both materials are included in this HPD. Polypropylene head caps are also included. The head caps have a 90mm diameter and provide positive panel location. The head of the pedestals is designed to accept a range of support stringers. Adjustment is a nominal +/-40mm; less on lower void heights, with the range of floor heights ranging from 20mm to 620mm.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Table with 4 columns: Inventory Reporting Format, Threshold level, Residuals/Impurities, and screening options. Includes radio buttons for 'Nested Materials Method', 'Basic Method', 'Material', 'Product', '100 ppm', '1,000 ppm', 'Per GHS SDS', 'Other', 'Yes', 'No', etc.

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
STEEL [CARBON LT-UNK MANGANESE LT-P1 | END | MUL | REP
UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK UNDISCLOSED BM-2
| MAM | PHY] ZINC [ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY]
POLYPROPYLENE CAP [POLYPROPYLENE LT-UNK CARBON BLACK
BM-1 | CAN UNDISCLOSED BM-1 | CAN]

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The Quartz database for common building materials was used when the manufacture's information was lacking CAS identifiers or in cases where the material is not manufactured by Kingspan and they were relying on the secondary material information. Comparing and contrasting the Kingspan documentation against the generic product database allowed for a more robust screening than using the documentation alone.

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: Australian NPI VOC Definition Version 2.6, March 2009 - No VOCs
LCA: Environmental Product Declaration by Eugeos

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Summary table with 3 columns: Third Party Verified? (radio buttons for Yes/No), PREPARER: Self-Prepared, VERIFIER: VERIFICATION #:, SCREENING DATE: 2021-05-27, PUBLISHED DATE: 2021-06-23, EXPIRY DATE: 2024-05-27

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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

STEEL

#: 97.3000 - 97.6000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Alloy elements, residuals and impurities are all common across low-carbon steels

OTHER MATERIAL NOTES: Low-carbon steel

CARBON

ID: 7440-44-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-06-02 2:56:45

#: 0.0000 - 0.1800

GS: LT-UNK

RC: Both

NANO: No

SUBSTANCE ROLE: Alloy element

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: carbon in steel

MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-06-02 2:56:46

#: 0.0000 - 1.2000

GS: LT-P1

RC: Both

NANO: No

SUBSTANCE ROLE: Alloy element

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

END

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MUL

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

REP

GHS - Japan

Toxic to reproduction - Category 1B [H360]

SUBSTANCE NOTES:

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2021-06-02 2:56:46

#: 0.0000 - 0.5000

GS: LT-UNK

RC: Both

NANO: No

SUBSTANCE ROLE: Alloy element

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: alloy or residual constituent of steel

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-02 2:56:47**%: **0.0000 - 0.3000** GS: **LT-UNK** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Alloy element**

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

SUBSTANCE NOTES: alloy or residual constituent of steel

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-02 2:56:47**%: **0.0000 - 0.1200** GS: **BM-2** RC: **Both** NANO: **No** SUBSTANCE ROLE: **Alloy element**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MAM	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
PHY	EU - GHS (H-Statements)	H228 - Flammable solid

SUBSTANCE NOTES: alloy or residual constituent of steel

ZINC%: **1.3000 - 1.4000**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were screened using the Quartz database for common building materials.

OTHER MATERIAL NOTES: zinc applied as plating for corrosion resistance

ZINC (ZINC)ID: **7440-66-6**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-05-27 7:20:06**%: **1.0000 - 1.3000** GS: **LT-P1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Coating**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
AQU	EU - GHS (H-Statements)	H400 - Very toxic to aquatic life
AQU	EU - GHS (H-Statements)	H410 - Very toxic to aquatic life with long lasting effects
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
PHY	EU - GHS (H-Statements)	H250 - Catches fire spontaneously if exposed to air
PHY	EU - GHS (H-Statements)	H260 - In contact with water releases flammable gases which may ignite spontaneously

SUBSTANCE NOTES: corrosion protection

POLYPROPYLENE CAP%: **0.9000 - 1.2000**

RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities above reportable thresholds

OTHER MATERIAL NOTES: moulded polypropylene

POLYPROPYLENE

ID: 9003-07-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-02 7:01:09**

#: **98.0000 - 99.5000** GS: **LT-UNK** RC: **UNK** 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: Bulk polymer

CARBON BLACK

ID: 1333-86-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-02 7:01:09**

#: **1.0000 - 2.0000** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Pigment**

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

SUBSTANCE NOTES:

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-02 7:01:10**

#: **0.0100 - 0.0500** GS: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Processing regulator**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	IARC	Group 2b - Possibly carcinogenic to humans

SUBSTANCE NOTES: Commonly used as lubricant in polymer processing

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	Australian NPI VOC Definition Version 2.6, March 2009 - No VOCs		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2021-06-	EXPIRY DATE:	CERTIFIER OR LAB: self-declared
APPLICABLE FACILITIES: Kingspan Access Floors, Marfleet, Hull	01		
CERTIFICATE URL:			
CERTIFICATION AND COMPLIANCE NOTES:			

LCA	Environmental Product Declaration by Eugeos		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2021-03-	EXPIRY DATE: 2026-	CERTIFIER OR LAB: Ugo Pretato
APPLICABLE FACILITIES: Kingspan Access Floors, Marfleet, Hull, UK	29	03-28	
CERTIFICATE URL: https://www.environdec.com/library/epd2817			
CERTIFICATION AND COMPLIANCE NOTES:			

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

The HPD covers an Alpha V pedestal and pedestal cap. The product is approx. 99% steel and 1% polymeric cap.

No volatile materials are present, therefore VOC testing is not conducted.

The HPD covers an Alpha V pedestal and pedestal cap. Kingspan Access Flooring Limited manufacturers raised flooring systems. When screening Kingspan's products consider the following options: 1. flooring panel 2. pedestal 3. stringer. All Kingspan components have registered HPDs in the repository.

MANUFACTURER INFORMATION

MANUFACTURER: Kingspan Access Floors Ltd
ADDRESS: Burma Drive
Marfleet Hull HU9 5SG, UK
WEBSITE: <http://www.kingspanaccessfloors.co.uk>

CONTACT NAME: Technical Sales
TITLE: Technical Sales
PHONE: +44 (0) 1482 78170
EMAIL: info@kingspanaccessfloors.co.uk

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.