

CLASSIFICATION: 09 69 00

**PRODUCT DESCRIPTION:** The TLM26 panel is based on a 600mm-square module made of a high-performance high-density particle chipboard core in a galvanised steel envelope. The galvanised-steel shell comprises a top sheet that is wrapped around and laminated to the core, then mechanically-stitched to the bottom steel sheet for greater strength and to provide full electrical continuity and static dispersion of the system where required. This unique wrap-around construction makes panel removal and replacement easy whilst also improving panel edge strength. The TLM26 slim design (26mm thickness) provides maximum usable void within the confines of a given floor height. The TLM26 panel is engineered to fine dimensional tolerances for modular control; corner locking to the pedestal head results in rock-free stability.

**Section 1: Summary**

**Nested 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**

Residuals/Impurities  
Considered in 4 of 4 Materials

- 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**

**PARTICLEBOARD [ WOOD DUST - UNSPECIFIED (WOOD DUST - UNSPECIFIED) NoGS BEECH WOOD DUST (BEECH WOOD DUST) LT-1 | CAN UREA FORMALDEHYDE (UREA FORMALDEHYDE) LT-P1 | RES WATER (WATER) BM-4 PARAFFIN (PARAFFIN) LT-UNK SILICA, AMORPHOUS (SILICA, AMORPHOUS) LT-P1 | CAN FORMALDEHYDE (FORMALDEHYDE) LT-1 | MAM | SKI | CAN | RES | GEN | MUL | END ] BASE STEEL [ IRON (IRON) LT-P1 | END MANGANESE (MANGANESE) LT-P1 | END | MUL | REP CHROMIUM (CHROMIUM) LT-P1 | RES | END COPPER (COPPER) LT-UNK NICKEL (NICKEL) LT-1 | MAM | CAN | SKI | AQU | RES | MUL CARBON (CARBON) LT-UNK MOLYBDENUM (MOLYBDENUM) LT-UNK VANADIUM (VANADIUM) LT-1 | MUL | CAN | GEN PHOSPHORUS (PHOSPHORUS) BM-2 | AQU | MAM | PHY SULFUR (SULFUR) LT-UNK | SKI ] ZINC [ ZINC (ZINC) LT-P1 | AQU | END | MUL | PHY LEAD (LEAD) LT-1 | MAM | AQU | DEL | REP | CAN | PBT | MUL | END | GEN CADMIUM (CADMIUM) LT-1 | MAM | CAN | AQU | REP | DEL | PBT | GEN | MUL | END | PHY ] POLYURETHANE ADHESIVE [ PROPYLENE OXIDE, ETHYLENE OXIDE, 1,2-PROPANEDIOL, DIPHENYLMETHANE-4,4'-DIISOCYANATE POLYMER (PROPYLENE OXIDE, ETHYLENE OXIDE, 1,2-PROPANEDIOL, DIPHENYLMETHANE-4,4'-DIISOCYANATE POLYMER) NoGS SILICA, AMORPHOUS (SILICA, AMORPHOUS) LT-P1 | CAN LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE) LT-UNK POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI)) LT-UNK | RES | MUL | CAN METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI)) LT-UNK | MAM | EYE | SKI | CAN | RES | MUL POLYETHER POLYOL (POLYETHER POLYOL) LT-UNK QUARTZ (QUARTZ) LT-1 | CAN ]**

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

**INVENTORY AND SCREENING NOTES:**

This panel contains bio-based materials that cause the LEED v4 prechecks to fail. HPD does not currently have a way to deal with bio-based substances that complies with all the screened and identified materials. The Quartz database for common building materials was used when the manufacturer's information was lacking CAS identifiers or in cases where the material is not manufactured by Kingspan and secondary material information has been relied on. Comparing and contrasting Kingspan's own documentation against the generic product database allowed for a more robust screening than using the documentation alone.

## VOLATILE ORGANIC COMPOUND (VOC) CONTENT

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

VOC emissions: CDPH Standard Method V1.1 (Section 01350/CHPS) -  
Classroom & Office scenario

Sustainable forestry: FSC Certification - Chain of Custody (COC)

LCA: Environmental Product Declaration by EuGeos

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

SCREENING DATE: **2018-04-06**

PUBLISHED DATE: **2018-04-06**

EXPIRY DATE: **2021-04-06**



## 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)

### PARTICLEBOARD

#: 66.5000 - 67.1000

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were screened using the Quartz database for common building materials, and information from specific suppliers.

OTHER MATERIAL NOTES:

#### WOOD DUST - UNSPECIFIED (WOOD DUST - UNSPECIFIED)

ID: Not registered

#: 36.0000 - 44.0000

GS: NoGS

RC: UNK

NANO: No

ROLE: Base material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Softwoods. This is a bio-based material.

#### BEECH WOOD DUST (BEECH WOOD DUST)

ID: Not registered

#: 36.0000 - 44.0000

GS: LT-1

RC: UNK

NANO: No

ROLE: Base material

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

SUBSTANCE NOTES: May be other hardwoods, such as oak, as well as or instead of beech. This is a bio-based material.

#### UREA FORMALDEHYDE (UREA FORMALDEHYDE)

ID: 9011-05-6

#: 8.9900 - 10.0000

GS: LT-P1

RC: UNK

NANO: No

ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES:

**WATER (WATER)**

ID: 7732-18-5

|                            |                 |                |                 |                       |
|----------------------------|-----------------|----------------|-----------------|-----------------------|
| %: <b>7.0010 - 10.0000</b> | GS: <b>BM-4</b> | RC: <b>UNK</b> | NANO: <b>No</b> | ROLE: <b>Hydrator</b> |
|----------------------------|-----------------|----------------|-----------------|-----------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**PARAFFIN (PARAFFIN)**

ID: 8002-74-2

|                           |                   |                 |                 |                               |
|---------------------------|-------------------|-----------------|-----------------|-------------------------------|
| %: <b>0.0100 - 0.5000</b> | GS: <b>LT-UNK</b> | RC: <b>None</b> | NANO: <b>No</b> | ROLE: <b>Water Resistance</b> |
|---------------------------|-------------------|-----------------|-----------------|-------------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**SILICA, AMORPHOUS (SILICA, AMORPHOUS)**

ID: 7631-86-9

|                           |                  |                |                 |                     |
|---------------------------|------------------|----------------|-----------------|---------------------|
| %: <b>0.0100 - 0.5000</b> | GS: <b>LT-P1</b> | RC: <b>UNK</b> | NANO: <b>No</b> | ROLE: <b>Filler</b> |
|---------------------------|------------------|----------------|-----------------|---------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES:

**FORMALDEHYDE (FORMALDEHYDE)**

ID: 50-00-0

|                             |                 |                |                 |                                |
|-----------------------------|-----------------|----------------|-----------------|--------------------------------|
| %: <b>Impurity/Residual</b> | GS: <b>LT-1</b> | RC: <b>UNK</b> | NANO: <b>No</b> | ROLE: <b>Impurity/Residual</b> |
|-----------------------------|-----------------|----------------|-----------------|--------------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R23 - Toxic by Inhalation (gas, vapour, dust/mist)

MAMMALIAN

EU - R-phrases

R24 - Toxic in Contact with Skin

MAMMALIAN

EU - R-phrases

R25 - Toxic if Swallowed

SKIN IRRITATION

EU - R-phrases

R34 - Causes burns

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

CANCER

US EPA - IRIS Carcinogens

(1986) Group B1 - Probable human Carcinogen

CANCER

IARC

Group 1 - Agent is Carcinogenic to humans

|                 |   |  |
|-----------------|---|--|
| CANCER          | CA EPA - Prop 65                              | Carcinogen   |
| CANCER          | US CDC - Occupational Carcinogens             | Occupational Carcinogen  |
| CANCER          | US NIH - Report on Carcinogens                | Known to be a human Carcinogen   |
| MAMMALIAN       | EU - GHS (H-Statements)                       | H301 - Toxic if swallowed  |
| MAMMALIAN       | EU - GHS (H-Statements)                       | H311 - Toxic in contact with skin  |
| SKIN IRRITATION | EU - GHS (H-Statements)                       | H314 - Causes severe skin burns and eye damage                                   |
| SKIN SENSITIZE  | EU - GHS (H-Statements)                       | H317 - May cause an allergic skin reaction                                       |
| MAMMALIAN       | EU - GHS (H-Statements)                       | H331 - Toxic if inhaled  |
| GENE MUTATION   | EU - GHS (H-Statements)                       | H341 - Suspected of causing genetic defects                                      |
| CANCER          | EU - GHS (H-Statements)                       | H350 - May cause cancer  |
| MULTIPLE        | ChemSec - SIN List                            | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant                             |
| ENDOCRINE       | TEDX - Potential Endocrine Disruptors         | Potential Endocrine Disruptor  |
| MULTIPLE        | German FEA - Substances Hazardous to Waters   | Class 3 - Severe Hazard to Waters  |
| CANCER          | MAK   | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |
| SKIN SENSITIZE  | MAK   | Sensitizing Substance Sh - Danger of skin sensitization                          |
| MAMMALIAN       | US EPA - EPCRA Extremely Hazardous Substances | Extremely Hazardous Substances   |
| CANCER          | Korea - GHS                                   | Carcinogenicity - Category 1 [H350 - May cause cancer]                           |
| CANCER          | EU - Annex VI CMRs                            | Carcinogen Category 1B - Presumed Carcinogen based on animal evidence            |
| CANCER          | Japan - GHS                                   | Carcinogenicity - Category 1A  |
| CANCER          | Australia - GHS                               | H350i - May cause cancer by inhalation   |

SUBSTANCE NOTES:

## BASE STEEL

%: 31.7000 - 32.2000

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were screened using the Quartz database for common building materials, and information from specific suppliers.

OTHER MATERIAL NOTES:

## IRON (IRON)

ID: 7439-89-6

%: 97.5200

GS: LT-P1

RC: UNK

NANO: No

ROLE: Base metal

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES:

**MANGANESE (MANGANESE)**

ID: 7439-96-5

%: **0.6000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Metal Alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

REPRODUCTIVE

Japan - GHS

Toxic to reproduction - Category 1B

SUBSTANCE NOTES:

**CHROMIUM (CHROMIUM)**

ID: 7440-47-3

%: **0.4000** GS: **LT-P1** RC: **UNK** NANO: **No** ROLE: **Metal Alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES:

**COPPER (COPPER)**

ID: 7440-50-8

%: **0.4000** GS: **LT-UNK** RC: **UNK** NANO: **No** ROLE: **Metal Alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**NICKEL (NICKEL)**

ID: 7440-02-0

%: **0.4000** GS: **LT-1** RC: **UNK** NANO: **No** ROLE: **Metal Alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R23 - Toxic by Inhalation (gas, vapour, dust/mist)

|                |   |   |
|----------------|---|---|
| CANCER         | EU - R-phrases                              | R40 - Limited Evidence of Carcinogenic Effects                        |
| SKIN SENSITIZE | EU - R-phrases                              | R43 - May cause sensitization by skin contact                         |
| ORGAN TOXICANT | EU - R-phrases                              | R48: Danger of serious damage to health by prolonged exposure.        |
| ACUTE AQUATIC  | EU - R-phrases                              | R52 - Harmful to Aquatic Organisms                                    |
| CANCER         | IARC  | Group 1 - Agent is Carcinogenic to humans                             |
| CANCER         | IARC  | Group 2b - Possibly carcinogenic to humans                            |
| CANCER         | CA EPA - Prop 65                            | Carcinogen  |
| CANCER         | US CDC - Occupational Carcinogens           | Occupational Carcinogen   |
| CANCER         | US NIH - Report on Carcinogens              | Reasonably Anticipated to be Human Carcinogen                         |
| RESPIRATORY    | AOEC - Asthmagens                           | Asthmagen (ARs) - sensitizer-induced - inhalable forms only           |
| SKIN SENSITIZE | EU - GHS (H-Statements)                     | H317 - May cause an allergic skin reaction                            |
| CANCER         | EU - GHS (H-Statements)                     | H351 - Suspected of causing cancer                                    |
| ORGAN TOXICANT | EU - GHS (H-Statements)                     | H372 - Causes damage to organs through prolonged or repeated exposure |
| MULTIPLE       | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters  |
| CANCER         | MAK   | Carcinogen Group 1 - Substances that cause cancer in man              |
| RESPIRATORY    | MAK   | Sensitizing Substance Sah - Danger of airway & skin sensitization     |

SUBSTANCE NOTES:

### CARBON (CARBON)

ID: 7440-44-0

#: **0.1800**      GS: **LT-UNK**      RC: **UNK**      NANO: **No**      ROLE: **Metal Alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

### MOLYBDENUM (MOLYBDENUM)

ID: 7439-98-7

#: **0.1500**      GS: **LT-UNK**      RC: **UNK**      NANO: **No**      ROLE: **Metal Alloy**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**VANADIUM (VANADIUM)**

ID: 7440-62-2

|                  |                 |                |                 |                          |
|------------------|-----------------|----------------|-----------------|--------------------------|
| %: <b>0.0800</b> | GS: <b>LT-1</b> | RC: <b>UNK</b> | NANO: <b>No</b> | ROLE: <b>Metal Alloy</b> |
|------------------|-----------------|----------------|-----------------|--------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**MULTIPLE**

German FEA - Substances Hazardous to Waters

Class 3 - Severe Hazard to Waters

**CANCER****MAK**

Carcinogen Group 2 - Considered to be carcinogenic for man

**GENE MUTATION****MAK**

Germ Cell Mutagen 2

SUBSTANCE NOTES:

**PHOSPHORUS (PHOSPHORUS)**

ID: 7723-14-0

|                  |                 |                |                 |                          |
|------------------|-----------------|----------------|-----------------|--------------------------|
| %: <b>0.0300</b> | GS: <b>BM-2</b> | RC: <b>UNK</b> | NANO: <b>No</b> | ROLE: <b>Metal Alloy</b> |
|------------------|-----------------|----------------|-----------------|--------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**ACUTE AQUATIC**

EU - R-phrases

R52 - Harmful to Aquatic Organisms

**MAMMALIAN**

US EPA - EPCRA Extremely Hazardous Substances

Extremely Hazardous Substances

**PHYSICAL HAZARD (REACTIVE)**

EU - GHS (H-Statements)

H228 - Flammable solid

SUBSTANCE NOTES:

**SULFUR (SULFUR)**

ID: 7704-34-9

|                  |                   |                |                 |                          |
|------------------|-------------------|----------------|-----------------|--------------------------|
| %: <b>0.0300</b> | GS: <b>LT-UNK</b> | RC: <b>UNK</b> | NANO: <b>No</b> | ROLE: <b>Metal Alloy</b> |
|------------------|-------------------|----------------|-----------------|--------------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

**SKIN IRRITATION**

EU - R-phrases

R38 - Irritating to skin

**SKIN IRRITATION**

EU - GHS (H-Statements)

H315 - Causes skin irritation

SUBSTANCE NOTES:

**ZINC**%: **1.0000 - 1.3000****HPD URL:**PRODUCT THRESHOLD: **100 ppm**RESIDUALS AND IMPURITIES CONSIDERED: **Yes**RESIDUALS AND IMPURITIES NOTES: **Residuals and Impurities were screened using the Quartz database for common building materials, and information from specific suppliers.**



**ZINC (ZINC)**

ID: 7440-66-6

#: **100.0000**      GS: **LT-P1**      RC: **UNK**      NANO: **No**      ROLE: **Metal Coating**

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

|                            |   |  |
|----------------------------|---|--|
| ACUTE AQUATIC              | EU - R-phrases                              | R50 - Very Toxic to Aquatic Organisms  |
| ACUTE AQUATIC              | EU - GHS (H-Statements)                     | H400 - Very toxic to aquatic life  |
| CHRON AQUATIC              | EU - GHS (H-Statements)                     | H410 - Very toxic to aquatic life with long lasting effects                          |
| ENDOCRINE                  | TEDX - Potential Endocrine Disruptors       | Potential Endocrine Disruptor  |
| MULTIPLE                   | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters   |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements)                     | H250 - Catches fire spontaneously if exposed to air                                  |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements)                     | H260 - In contact with water releases flammable gases which may ignite spontaneously |

## SUBSTANCE NOTES:

**LEAD (LEAD)**

ID: 7439-92-1

#: **Impurity/Residual**      GS: **LT-1**      RC: **UNK**      NANO: **No**      ROLE: **Impurity/Residual**

## HAZARDS:

## AGENCY(IES) WITH WARNINGS:

|               |                               |   |
|---------------|-------------------------------|---|
| MAMMALIAN     | EU - R-phrases                | R20 - Harmful by Inhalation (gas or vapor or dust/mist) |
| MAMMALIAN     | EU - R-phrases                | R22 - Harmful if Swallowed                              |
| ACUTE AQUATIC | EU - R-phrases                | R50 - Very Toxic to Aquatic Organisms                   |
| DEVELOPMENTAL | EU - R-phrases                | R61 - May cause harm to the unborn child                |
| REPRODUCTIVE  | EU - R-phrases                | R62 - Possible risk of impaired fertility               |
| DEVELOPMENTAL | G&L - Neurotoxic Chemicals    | Developmental Neurotoxicant                             |
| CANCER        | US EPA - IRIS Carcinogens     | (1986) Group B2 - Probable human Carcinogen             |
| CANCER        | IARC                          | Group 2a - Agent is probably Carcinogenic to humans     |
| CANCER        | IARC                          | Group 2b - Possibly carcinogenic to humans              |
| CANCER        | CA EPA - Prop 65              | Carcinogen  |
| DEVELOPMENTAL | CA EPA - Prop 65              | Developmental toxicity                                  |
| PBT           | US EPA - Priority PBTs (NWMP) | Priority PBT  |
| PBT           | WA DoE - PBT                  | PBT   |
| REPRODUCTIVE  | CA EPA - Prop 65              | Reproductive Toxicity - Female                          |
| REPRODUCTIVE  | CA EPA - Prop 65              | Reproductive Toxicity - Male                            |

|               |  |   |
|---------------|--|---|
| CANCER        | US NIH - Report on Carcinogens                   | Reasonably Anticipated to be Human Carcinogen   |
| PBT           | US EPA - Priority PBTs (PPT)                     | Priority PBT  |
| PBT           | US EPA - Toxics Release Inventory PBTs           | PBT   |
| PBT           | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action  |
| PBT           | OR DEQ - Priority Persistent Pollutants          | Priority Persistent Pollutant - Tier 1  |
| DEVELOPMENTAL | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Developmental Toxicity  |
| REPRODUCTIVE  | US NIH - Reproductive & Developmental Monographs | Clear Evidence of Adverse Effects - Reproductive Toxicity   |
| ACUTE AQUATIC | EU - GHS (H-Statements)                          | H400 - Very toxic to aquatic life   |
| CHRON AQUATIC | EU - GHS (H-Statements)                          | H410 - Very toxic to aquatic life with long lasting effects   |
| DEVELOPMENTAL | EU - GHS (H-Statements)                          | H360Df - May damage the unborn child. Suspected of damaging fertility   |
| REPRODUCTIVE  | EU - GHS (H-Statements)                          | H360FD - May damage fertility. May damage the unborn child  |
| DEVELOPMENTAL | EU - GHS (H-Statements)                          | H362 - May cause harm to breast-fed children  |
| REPRODUCTIVE  | EU - REACH Annex XVII CMRs                       | Toxic to Reproduction Category 1 - Substances known to impair fertility or cause Developmental Toxicity in humans |
| MULTIPLE      | ChemSec - SIN List                               | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant  |
| ENDOCRINE     | TEDX - Potential Endocrine Disruptors            | Potential Endocrine Disruptor   |
| CANCER        | MAK  | Carcinogen Group 2 - Considered to be carcinogenic for man  |
| REPRODUCTIVE  | New Zealand - GHS                                | 6.8A - Known or presumed human reproductive or developmental toxicants  |
| REPRODUCTIVE  | Japan - GHS                                      | Toxic to reproduction - Category 1A   |
| GENE MUTATION | MAK  | Germ Cell Mutagen 3a  |
| REPRODUCTIVE  | EU - Annex VI CMRs                               | Reproductive Toxicity - Category 1A   |

SUBSTANCE NOTES:

## CADMIUM (CADMIUM)

ID: 7440-43-9

%: **Impurity/Residual**      GS: **LT-1**      RC: **UNK**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

|           |                |  |
|-----------|----------------|--|
| MAMMALIAN | EU - R-phrases | R23 - Toxic by Inhalation (gas, vapour, dust/mist) |
| MAMMALIAN | EU - R-phrases | R25 - Toxic if Swallowed                           |
| MAMMALIAN | EU - R-phrases | R26 - Very Toxic by Inhalation                     |
| CANCER    | EU - R-phrases | R45 - May cause cancer                             |

|                |  |  |
|----------------|--|--|
| ORGAN TOXICANT | EU - R-phrases                                   | R48: Danger of serious damage to health by prolonged exposure.                                 |
| ACUTE AQUATIC  | EU - R-phrases                                   | R50 - Very Toxic to Aquatic Organisms  |
| REPRODUCTIVE   | EU - R-phrases                                   | R62 - Possible risk of impaired fertility  |
| DEVELOPMENTAL  | EU - R-phrases                                   | R63 - Possible risk of harm to the unborn child  |
| CANCER         | US EPA - IRIS Carcinogens                        | (1986) Group B1 - Probable human Carcinogen  |
| CANCER         | IARC   | Group 1 - Agent is Carcinogenic to humans  |
| CANCER         | CA EPA - Prop 65                                 | Carcinogen   |
| DEVELOPMENTAL  | CA EPA - Prop 65                                 | Developmental toxicity   |
| PBT            | US EPA - Priority PBTs (NWMP)                    | Priority PBT   |
| PBT            | WA DoE - PBT                                     | PBT  |
| GENE MUTATION  | EU - R-phrases                                   | R68 - May cause irreversible effects   |
| REPRODUCTIVE   | CA EPA - Prop 65                                 | Reproductive Toxicity - Male   |
| CANCER         | US CDC - Occupational Carcinogens                | Occupational Carcinogen  |
| CANCER         | US NIH - Report on Carcinogens                   | Known to be a human Carcinogen   |
| CANCER         | EU - SVHC Authorisation List                     | Carcinogenic - Candidate list  |
| PBT            | OSPAR - Priority PBTs & EDs & equivalent concern | PBT - Chemical for Priority Action   |
| PBT            | OR DEQ - Priority Persistent Pollutants          | Priority Persistent Pollutant - Tier 1   |
| ACUTE AQUATIC  | EU - GHS (H-Statements)                          | H400 - Very toxic to aquatic life  |
| CHRON AQUATIC  | EU - GHS (H-Statements)                          | H410 - Very toxic to aquatic life with long lasting effects                                    |
| MAMMALIAN      | EU - GHS (H-Statements)                          | H330 - Fatal if inhaled  |
| GENE MUTATION  | EU - GHS (H-Statements)                          | H341 - Suspected of causing genetic defects  |
| CANCER         | EU - GHS (H-Statements)                          | H350 - May cause cancer  |
| REPRODUCTIVE   | EU - GHS (H-Statements)                          | H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child               |
| ORGAN TOXICANT | EU - GHS (H-Statements)                          | H372 - Causes damage to organs through prolonged or repeated exposure                          |
| CANCER         | EU - REACH Annex XVII CMRs                       | Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man |
| MULTIPLE       | ChemSec - SIN List                               | CMR - Carcinogen, Mutagen &/or Reproductive Toxicant   |
| ENDOCRINE      | TEDX - Potential Endocrine Disruptors            | Potential Endocrine Disruptor  |
| MULTIPLE       | German FEA - Substances Hazardous to Waters      | Class 3 - Severe Hazard to Waters  |
| CANCER         | MAK  | Carcinogen Group 1 - Substances that cause cancer in man                                       |
| CANCER         | Korea - GHS                                      | Carcinogenicity - Category 1 [H350 - May cause cancer]   |
| CANCER         | EU - Annex VI CMRs                               | Carcinogen Category 1B - Presumed Carcinogen based on  |

|                            |                         |  |
|----------------------------|-------------------------|--|
| GENE MUTATION              | New Zealand - GHS       | animal evidence<br>6.6A - Known or presumed human mutagens             |
| CANCER                     | New Zealand - GHS       | 6.7A - Known or presumed human carcinogens                             |
| REPRODUCTIVE               | New Zealand - GHS       | 6.8A - Known or presumed human reproductive or developmental toxicants |
| GENE MUTATION              | MAK                     | Germ Cell Mutagen 3a   |
| CANCER                     | Malaysia - GHS          | H350 - May cause cancer  |
| CANCER                     | Australia - GHS         | H350 - May cause cancer  |
| PHYSICAL HAZARD (REACTIVE) | EU - GHS (H-Statements) | H250 - Catches fire spontaneously if exposed to air                    |

SUBSTANCE NOTES:

## POLYURETHANE ADHESIVE

#: 0.5000 - 0.7000

HPD URL:

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were screened using the Quartz database for common building materials, and information from specific suppliers.

OTHER MATERIAL NOTES:

### PROPYLENE OXIDE, ETHYLENE OXIDE, 1,2-PROPANEDIOL, DIPHENYLMETHANE-4,4'-DIISOCYANATE POLYMER (PROPYLENE OXIDE, ETHYLENE OXIDE, 1,2-PROPANEDIOL, DIPHENYLMETHANE-4,4'-DIISOCYANATE POLYMER)

ID: 68083-75-0

|            |          |         |          |                  |
|------------|----------|---------|----------|------------------|
| #: 70.0000 | GS: NoGS | RC: UNK | NANO: No | ROLE: Prepolymer |
|------------|----------|---------|----------|------------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

### SILICA, AMORPHOUS (SILICA, AMORPHOUS)

ID: 7631-86-9

|                     |           |         |          |              |
|---------------------|-----------|---------|----------|--------------|
| #: 0.0000 - 22.5000 | GS: LT-P1 | RC: UNK | NANO: No | ROLE: Filler |
|---------------------|-----------|---------|----------|--------------|

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES:

### LIMESTONE; CALCIUM CARBONATE (LIMESTONE; CALCIUM CARBONATE)

ID: 1317-65-3

#: 0.0000 - 22.5000

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

**POLYMERIC MDI (PMDI) (POLYMERIC MDI (PMDI))**

ID: 9016-87-9

#: Impurity/Residual

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

RESTRICTED LIST

US EPA - PPT Chemical Action Plans

EPA Chemical of Concern - Action Plan published

RESPIRATORY

US EPA - PPT Chemical Action Plans

Inhalation sensitizer causing asthma and lung damage

CANCER

MAK

Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

RESPIRATORY

MAK

Sensitizing Substance Sah - Danger of airway & skin sensitization

SUBSTANCE NOTES:

**METHYLENE BISPHENYL DIISOCYANATE (PURE MDI) (METHYLENE BISPHENYL DIISOCYANATE (PURE MDI))**

ID: 101-68-8

#: Impurity/Residual

GS: LT-UNK

RC: UNK

NANO: No

ROLE: Impurity/Residual

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MAMMALIAN

EU - R-phrases

R20 - Harmful by Inhalation (gas or vapor or dust/mist)

EYE IRRITATION

EU - R-phrases

R36 - Irritating to eyes

SKIN IRRITATION

EU - R-phrases

R38 - Irritating to skin

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

RESPIRATORY

EU - R-phrases

R42 - May cause sensitization by inhalation

SKIN SENSITIZE

EU - R-phrases

R43 - May cause sensitization by skin contact

ORGAN TOXICANT

EU - R-phrases

R48: Danger of serious damage to health by prolonged exposure.

RESPIRATORY

AOEC - Asthmagens

Asthmagen (G) - generally accepted

RESTRICTED LIST

US EPA - PPT Chemical Action Plans

EPA Chemical of Concern - Action Plan published

SKIN IRRITATION

EU - GHS (H-Statements)

H315 - Causes skin irritation

SKIN SENSITIZE

EU - GHS (H-Statements)

H317 - May cause an allergic skin reaction

EYE IRRITATION

EU - GHS (H-Statements)

H319 - Causes serious eye irritation

|             |                                    |  |
|-------------|------------------------------------|--|
| RESPIRATORY | EU - GHS (H-Statements)            | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| CANCER      | EU - GHS (H-Statements)            | H351 - Suspected of causing cancer   |
| RESPIRATORY | US EPA - PPT Chemical Action Plans | Inhalation sensitizer causing asthma and lung damage                             |
| CANCER      | MAK                                | Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels |
| RESPIRATORY | MAK                                | Sensitizing Substance Sah - Danger of airway & skin sensitization                |

SUBSTANCE NOTES:

### POLYETHER POLYOL (POLYETHER POLYOL)

ID: 9082-00-2

#: **Impurity/Residual**      GS: **LT-UNK**      RC: **UNK**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES:

### QUARTZ (QUARTZ)

ID: 14808-60-7

#: **Impurity/Residual**      GS: **LT-1**      RC: **UNK**      NANO: **No**      ROLE: **Impurity/Residual**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources

CANCER

US NIH - Report on Carcinogens

Known to be Human Carcinogen (respirable size - occupational setting)

CANCER

MAK

Carcinogen Group 1 - Substances that cause cancer in man

CANCER

New Zealand - GHS

6.7A - Known or presumed human carcinogens

CANCER

Australia - GHS

H350 - May cause cancer

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 V1.1 (Section 01350/CHPS) - Classroom & Office scenario

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2015-**

EXPIRY DATE:

CERTIFIER OR LAB: **Eurofins**

APPLICABLE FACILITIES: **Kingspan Access Floors, Marfleet, Hull, UK**

**01-27**

**Product Testing A/S**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Meets VOC emissions specifications in LEED EQ credit "Low-emitting products"; the requirements of CDPH-IAQ (California Department of Public Health); and a TVOC below 0.5 mg/m<sup>3</sup> in both office and classroom.**

### SUSTAINABLE FORESTRY

#### FSC Certification - Chain of Custody (COC)

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-**

EXPIRY DATE: **2022-**

CERTIFIER OR LAB: **SGS**

APPLICABLE FACILITIES: **Kingspan Access Floors, Marfleet, Hull, UK**

**09-27**

**09-26**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

### LCA

#### Environmental Product Declaration by EuGeos

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-**

EXPIRY DATE: **2021-**

CERTIFIER OR LAB: **Ugo Pretato**

APPLICABLE FACILITIES: **Kingspan Access Floors, Marfleet, Hull, UK**

**02-01**

**01-31**

CERTIFICATE URL:

<http://www.environdec.com/en/Detail/epd803>

CERTIFICATION AND COMPLIANCE NOTES: **The EPD applies to a complete access floor system based on the TLM26 panel**

## 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.*

### ALPHA V PEDESTAL

HPD URL: [https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish\\_440\\_Alpha\\_V\\_Pedestal\\_1522851067.pdf](https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish_440_Alpha_V_Pedestal_1522851067.pdf)

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**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.**

### STRINGER RMG

HPD URL: [https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish\\_440\\_Stringer\\_RMG\\_1522851067.pdf](https://hpdrepository.hpd-collaborative.org/repository/HPDs/publish_440_Stringer_RMG_1522851067.pdf)

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

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.

## Section 5: General Notes





## MANUFACTURER INFORMATION

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

CONTACT NAME: **Technical Sales**  
 TITLE: **Technical Sales**  
 PHONE: **+44 (0) 1482 781701**  
 EMAIL: **info@kingspanaccessfloors.co.uk**

## 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

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

### GreenScreen (GS)

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