

HPD UNIQUE IDENTIFIER: 25248

CLASSIFICATION: 09 69 13 Rigid-Grid Access Flooring

PRODUCT DESCRIPTION: The FDEB-M panel is based on a high-performance high-density particle chipboard core; both its top and bottom surfaces are laminated with galvanised-steel sheets. Used with suitable pedestals, the FDEB-M panel meets the PSA MOB PF2 PS/SPU specification to Medium Grade. A vinyl surface finish can be laminated to the top surface; in this case, a full-depth edge ABS band is added which provides protection to the edge of the surface finish. This HPD applies to the FDEB-M panel before finish is applied.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i> Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No % weight and role provided for all substances. Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No All substances screened using Priority Hazard Lists with results disclosed. Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.
<input checked="" type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	Residuals/Impurities	
<input type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	Considered in 3 of 3 Materials	
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	Explanation(s) provided for Residuals/Impurities?	
<input type="radio"/> Material	<input type="radio"/> Other	<input checked="" type="radio"/> Yes <input type="radio"/> 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**  
**PARTICLE BOARD [ WOOD FIBER - UNSPECIFIED NoGS UREA, POLYMER WITH AMMONIA AND FORMALDEHYDE LT-UNK WATER BM-4 UNDISCLOSED LT-UNK UNDISCLOSED LT-UNK ] STEEL, GALVANISED [ IRON, ELEMENTAL LT-P1 | END ZINC, ELEMENTAL LT-P1 | AQU | END | MUL | PHY CARBON LT-UNK MANGANESE LT-P1 | END | MUL | REP SILICON, ELEMENTAL LT-UNK TITANIUM LT-UNK PHOSPHORUS BM-2 | MAM | PHY ] POLYURETHANE ADHESIVE [ UNDISCLOSED LT-UNK UNDISCLOSED BM-1 | CAN UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | MUL | RES UNDISCLOSED LT-UNK | CAN | MUL | RES | SKI | EYE UNDISCLOSED NoGS ]**

Number of Greenscreen BM-4/BM3 contents ... 1

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 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

VOC Content data is not applicable for this product category.

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

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

LCA: Environmental Product Declaration by EuGeos

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

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2021-06-11

PUBLISHED DATE: 2021-07-06

EXPIRY DATE: 2024-06-11

## 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](http://www.hpd-collaborative.org/hpd-2-2-standard)

### PARTICLE BOARD

#: 59.0000 - 61.0000

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Wood Dust, Fiber or Chips

RESIDUALS AND IMPURITIES NOTES: The product contains wood from various sources with uncharacterised residuals

OTHER MATERIAL NOTES:

#### WOOD FIBER - UNSPECIFIED

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-06-11 6:05:11

#: 76.0000 - 84.0000 GS: NoGS RC: Both NANO: No SUBSTANCE ROLE: Biological material

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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None found		No warnings found on HPD Priority Hazard Lists
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SUBSTANCE NOTES: wood chip of mixed origin

#### UREA, POLYMER WITH AMMONIA AND FORMALDEHYDE

ID: 27967-29-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-06-11 6:05:12

#: 9.0000 - 10.0000 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Binder

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

#### WATER

ID: 7732-18-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-06-11 6:05:13

#: 7.0000 - 10.0000 GS: BM-4 RC: UNK NANO: No SUBSTANCE ROLE: Biological material

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

#### UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-06-11 6:05:18

%: 0.0000 - 1.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Viscosity modifier

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: actual role in resin formualtion is uncertain

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2021-06-11 6:05:19**

%: 0.0000 - 1.0000

GS: LT-UNK

RC: UNK

NANO: No

SUBSTANCE ROLE: Viscosity modifier

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: actual role of substance in resin formulation is uncertain

**STEEL, GALVANISED**

%: 38.5000 - 39.7000

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Any residuals and impurities are those common in galvanised steels

OTHER MATERIAL NOTES:

**IRON, ELEMENTAL**

ID: **7439-89-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2021-06-11 6:05:11**

%: 97.7000 - 99.5000

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

SUBSTANCE NOTES:

**ZINC, ELEMENTAL**

ID: **7440-66-6**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**

HAZARD SCREENING DATE: **2021-06-11 6:05:13**

%: 1.2500 - 3.2500

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 protective coating

### CARBON

ID: 7440-44-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:16**

#: **0.0000 - 0.1700** 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:

### MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:17**

#: **0.0000 - 1.1000** 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: Present in base steel

### SILICON, ELEMENTAL

ID: 7440-21-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:17**

#: **0.0000 - 0.0040** 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: Present in base steel

**TITANIUM**

ID: 7440-32-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:18**%: **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: Present in base steel

**PHOSPHORUS**

ID: 7723-14-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:18**%: **0.0000 - 0.1100** GS: **BM-2** RC: **UNK** 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:

**POLYURETHANE ADHESIVE**

%: 0.6000 - 0.7000

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

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities likely to be present in generic materials of this type have been considered

OTHER MATERIAL NOTES:

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:12**%: **69.0000 - 75.0000** 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: Typical polyurethane formed by reaction of di-isocyanates and polyols: exact PU present in this adhesive is not known

**UNDISCLOSED**ID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:14**%: **0.0000 - 22.5000** GS: **BM-1** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	GHS - Australia	H350i - May cause cancer by inhalation
CAN	GHS - Japan	Carcinogenicity - Category 1A [H350]

SUBSTANCE NOTES: Silica may also serve as a filler

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:14**

#: **0.0000 - 22.5000** GS: **LT-UNK** RC: **UNK** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

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

SUBSTANCE NOTES: Limestone, in powder form, may also serve as a filler

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:15**

#: **Impurity/Residual** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	US EPA - PPT Chemical Action Plans	EPA Chemical of Concern - Action Plan published
RES	US EPA - PPT Chemical Action Plans	Inhalation sensitizer causing asthma and lung damage

SUBSTANCE NOTES: Possible residual from polyurethane formation

**UNDISCLOSED**

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:15**

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

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: Possible residual monomer from PU formation

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-06-11 6:05:16**

%: **Impurity/Residual** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

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

SUBSTANCE NOTES: Possible residual of generic pre-polymer material

## 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: 2015-01-	EXPIRY DATE:	CERTIFIER OR LAB: Eurofins
APPLICABLE FACILITIES: Kingspan Access Floors, Marfleet, Hull, UK	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.			

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:			
<a href="https://www.environdec.com/library/epd2800">https://www.environdec.com/library/epd2800</a>			
CERTIFICATION AND COMPLIANCE NOTES: The EPD applies to the FDEB-M (aka FDEB30) panel			

SUSTAINABLE FORESTRY	FSC Certification - Chain of Custody (COC)		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2017-09-	EXPIRY DATE: 2022-	CERTIFIER OR LAB: SGS
APPLICABLE FACILITIES: Kingspan Access Floors, Marfleet, Hull, UK	27	09-26	
CERTIFICATE URL:			
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

Kingspan Access Flooring Limited manufacturers raised flooring systems. When screening Kingspan's products consider the following options: 1. flooring panel 2. pedestal 3. stringer, if used. 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:** www.kingspanaccessfloors.co.uk

**CONTACT NAME:** Technical Sales  
**TITLE:** Technical Sales  
**PHONE:** +44 (0) 1482 781701  
**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**

<b>AQU</b> Aquatic toxicity	<b>LAN</b> Land toxicity	<b>PHY</b> Physical hazard (flammable or reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple	<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>NF</b> Not found on Priority Hazard Lists	<b>UNK</b> Unknown
<b>GEN</b> Gene mutation	<b>OZO</b> Ozone depletion	
<b>GLO</b> Global warming	<b>PBT</b> Persistent, bioaccumulative, and toxic	

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-UNK</b> 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.)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>NoGS</b> No GreenScreen.
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	
<b>BM-U</b> Benchmark Unspecified (due to insufficient data)	
<b>LT-P1</b> 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.*