

CLASSIFICATION: 09 67 23

PRODUCT DESCRIPTION: HYBRI-FLEX EB IS A 1/4" SOLID COLOR, QUARTZ FLOOR SYSTEM OFFERING THE ADDITIONAL BENEFITS OF HIGH MOISTURE TOLERANCE AND A THICKER, SELF-PRIMING, SELF-LEVELING FLOOR MAKING IT THE IDEAL CHOICE FOR INSTALLATION ON FRESHLY PLACED CONCRETE, ROUGH EXISTING FLOORS, OR WHERE HIGHER IMPACT RESISTANCE IS DESIRED.



Section 1: Summary

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 and impurities considered in all 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.

Number of GreenScreen® BM-4/BM-3 contents: 1

Contents highest concern GreenScreen® Benchmark or List Translator Score: LT - 1

Nanomaterial: No contents are characterized as a nanomaterial

MATERIAL | SUBSTANCE GREENSCREEN SCORE HAZARD TYPE;

QUARTZ LT - 1 CAN; CEMENT DUST LT - UNK CAN; PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH (CHLOROMETHYL)OXIRANE LT - P1 MUL | EYE | SKI | AQU; CASTOR OIL LT - UNK ; POLYMETHYLENE POLYPHENYL ISOCYANATE LT - UNK CAN | RES | MUL; 4,4'-METHYLENEDIPHENYL DIISOCYANATE LT - UNK CAN | EYE | SKI | RES | MAM | MUL; BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO- LT - UNK CAN | RES | SKI | EYE | MAM | MUL; DIHYDROGEN OXIDE BM - 4 ; FIBERGLASS LT - UNK ; BENZENEMETHANOL LT - UNK DEV | MAM; BRANCHED C10-ALKYL BENZOATES NOGS ; ISOPHORONE DIAMINE LT - P1 MUL | SKI | AQU | MAM; OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS. LT - UNK SKI; CALCIUM CARBONATE LT - UNK ; TITANIUM DIOXIDE LT - 1 CAN; HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER LT - UNK ; CALCIUM HYDROXIDE (CA(OH)2) LT - UNK ; GYPSUM LT - UNK ; CALCIUM OXIDE LT - UNK ; PHOSPHOROUS ACID, TRIPHENYL ESTER LT - P1 MUL | EYE | AQU | SKI; DIETHYLENE GLYCOL LT - UNK DEV | MAM; MAGNESIUM OXIDE (MGO) LT - UNK ; 2-METHYL-1,5-PENTAMETHYLENEDIAMINE NOGS ; POLY[OXY(METHYL-1,2-ETHANEDIYL)], A-HYDRO-Ω-HYDROXY- LT - UNK ; ALUMINUM OXIDE LT - 1 CAN | RES; PROPANOIC ACID, 2-METHYL-, 2,2-DIMETHYL-1-(1-METHYLETHYL)-1,3-PROPANEDIYL ESTER LT -

INVENTORY AND SCREENING NOTES

This HPD was created with Basic Inventory.

P1 END;PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE LT - UNK ;ISOCYANIC ACID, POLYMETHYLENEPOLYPHENYLENE ESTER, POLYMER WITH A-HYDRO-Ω-HYDROXPOLY(OXY-1,2-ETHANEDIYL) LT - UNK ;BENZOIC ACID, 2-HYDROXY- LT - UNK ;

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 0
 Regulatory (g/l): 0
 Does the product contain exempt VOCs? No
 Are ultra-low VOC tints available? Not Applicable

Third Party Verified?

- Yes
- No

PREPARER:

VERIFIER:

VERIFICATION #:

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings*

CONSISTENCY WITH OTHER PROGRAMS

LEED v4 Material Ingredients Option 1.

SCREENING DATE: 8/16/2017

PUBLISHED DATE: 8/16/2017

EXPIRY DATE: 8/16/2020



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

DUR-A-FLEX - HYBRI-FLEX EB

PRODUCT THRESHOLD: 1,000ppm

RESIDUALS AND IMPURITIES CONSIDERED: Considered

RESIDUAL/IMPURITIES NOTES:

OTHER PRODUCT NOTES:

QUARTZ

ID: 14808-60-7

#: 65-75%

GS: LT - 1

RC: None

NANO: No

ROLE: Textured Filler

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CAN

MAK Carcinogen

Carc. 1

CAN

IARC

1

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

CEMENT DUST

ID: 65997-15-1

#: 5-10%

GS: LT - UNK

RC: None

NANO: No

ROLE: Aggregate

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CAN

MAK Carcinogen

Carc. 3B

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS-, POLYMER WITH (CHLOROMETHYL)OXIRANE

ID: 25068-38-6

#: 5-10%

GS: LT - P1

RC: None

NANO: No

ROLE: Hardener

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MUL	German FEA - Substances Hazardous to Waters	2
EYE	EU - GHS (H-Statements)	H319
SKI	EU - GHS (H-Statements)	H315
AQU	EU - GHS (H-Statements)	H411
SKI	EU - GHS (H-Statements)	H317
AQU	EU - R-Phrases	51/53a
SKI	EU - R-Phrases	43
EYE	EU - R-Phrases	36
AQU	EU - R-Phrases	51/53
SKI	EU - R-Phrases	38

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

CASTOR OIL

ID: 8001-79-4

#: 1-5%	GS: LT - UNK	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

POLYMETHYLENE POLYPHENYL ISOCYANATE

ID: 9016-87-9

#: 1-5%	GS: LT - UNK	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CAN	MAK Carcinogen		Carc. 4	
RES	AOEC - Asthmagens		Rs	
RES	AOEC - Asthmagens		G	
RES	MAK Sensitizing		Sah	
MUL	US EPA PPT Chemical Action Plans		EPA Chemical of Concern - Action Plan published	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

4,4'-METHYLENEDIPHENYL DIISOCYANATE

ID: 101-68-8

#: 1-5%	GS: LT - UNK	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CAN	EU - Annex VI CMRs		Carc. 2	
CAN	MAK Carcinogen		Carc. 4	
EYE	EU - GHS (H-Statements)		H319	
SKI	EU - GHS (H-Statements)		H315	
RES	EU - GHS (H-Statements)		H334	
CAN	EU - GHS (H-Statements)		H351	
SKI	EU - GHS (H-Statements)		H317	
CAN	EU - R-Phrases		40	
SKI	EU - R-Phrases		38	
MAM	EU - R-Phrases		20	
EYE	EU - R-Phrases		36	
RES	EU - R-Phrases		42	
SKI	EU - R-Phrases		43	
CAN	EU - REACH Annex XVII CMRs		Carc. Cat. 3	
RES	AOEC - Asthmagens		G	
RES	MAK Sensitizing		Sah	
MUL	US EPA PPT Chemical Action Plans		EPA Chemical of Concern - Action Plan published	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-

ID: 26447-40-5

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CAN	EU - Annex VI CMRs		Carc. 2	
RES	EU - GHS (H-Statements)		H334	
SKI	EU - GHS (H-Statements)		H317	
CAN	EU - GHS (H-Statements)		H351	
SKI	EU - GHS (H-Statements)		H315	
EYE	EU - GHS (H-Statements)		H319	
MAM	EU - R-Phrases		20	
CAN	EU - R-Phrases		40	
EYE	EU - R-Phrases		36	
RES	EU - R-Phrases		42	
SKI	EU - R-Phrases		43	
SKI	EU - R-Phrases		38	
CAN	EU - REACH Annex XVII CMRs		Carc. Cat. 3	
MUL	US EPA PPT Chemical Action Plans		EPA Chemical of Concern - Action Plan published	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

DIHYDROGEN OXIDE

ID: 7732-18-5

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

FIBERGLASS

ID: 65997-17-3

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

BENZENEMETHANOL

ID: 100-51-6

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
DEV	G&L - Neurotoxic Chemicals		Neurotoxicity	
MAM	EU - R-Phrases		20/22	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

BRANCHED C10-ALKYL BENZOATES

ID: 131298-44-7

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

ISOPHORONE DIAMINE

ID: 2855-13-2

HAZARDS:	AGENCY(IES) WITH WARNINGS:			
MUL	German FEA - Substances Hazardous to Waters		2	
SKI	EU - GHS (H-Statements)		H314	

SKI	EU - GHS (H-Statements)	H317
AQU	EU - R-Phrases	52/53
SKI	EU - R-Phrases	43
MAM	EU - R-Phrases	21/22
SKI	EU - R-Phrases	34
AQU	EU - R-Phrases	52/53a
SKI	MAK Sensitizing	Sh

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

OXIRANE, MONO[(C12-14-ALKYLOXY)METHYL] DERIVS.

ID: 68609-97-2

#: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
SKI	EU - GHS (H-Statements)	H317		
SKI	EU - GHS (H-Statements)	H315		
SKI	EU - R-Phrases	43		
SKI	EU - R-Phrases	38		

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

CALCIUM CARBONATE

ID: 1317-65-3

#: 0.1-1%	GS: LT - UNK	RC: Unknown	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

TITANIUM DIOXIDE

ID: 13463-67-7

#: 0.1-1%	GS: LT - 1	RC: None	NANO: No	ROLE: Resin
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen		
CAN	MAK Carcinogen	Carc. 3A		
CAN	IARC	2B		

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

HEXANE, 1,6-DIISOCYANATO-, HOMOPOLYMER

ID: 28182-81-2

#: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Hardener
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

CALCIUM HYDROXIDE (CA(OH)2)

ID: 1305-62-0

#: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Aggregate
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

GYPSUM

ID: 13397-24-5

#: 0.1-1%	GS: LT - UNK	RC: None	NANO: No	ROLE: Aggregate
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority Lists			

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

CALCIUM OXIDE

ID: 1305-78-8

HAZARDS:	AGENCY(IES) WITH WARNINGS:	GS: LT - UNK	RC: None	NANO: No	ROLE: Textured Filler
None Found	No warnings found on HPD Priority Lists				

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

PHOSPHOROUS ACID, TRIPHENYL ESTER

ID: 101-02-0

HAZARDS:	AGENCY(IES) WITH WARNINGS:	GS: LT - P1	RC: None	NANO: No	ROLE: Hardener
MUL	German FEA - Substances Hazardous to Waters			2	
EYE	EU - GHS (H-Statements)			H319	
AQU	EU - GHS (H-Statements)			H410	
AQU	EU - GHS (H-Statements)			H400	
SKI	EU - GHS (H-Statements)			H315	
AQU	EU - R-Phrases			50/53	
EYE	EU - R-Phrases			36	
SKI	EU - R-Phrases			38	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

DIETHYLENE GLYCOL

ID: 111-46-6

HAZARDS:	AGENCY(IES) WITH WARNINGS:	GS: LT - UNK	RC: None	NANO: No	ROLE: Resin
DEV	G&L - Neurotoxic Chemicals			Neurotoxicity	
MAM	EU - R-Phrases			22	

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

MAGNESIUM OXIDE (MGO)

ID: 1309-48-4

HAZARDS:	AGENCY(IES) WITH WARNINGS:	GS: LT - UNK	RC: None	NANO: No	ROLE: Textured Filler
None Found	No warnings found on HPD Priority Lists				

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

2-METHYL-1,5-PENTAMETHYLENEDIAMINE

ID: 15520-10-2

HAZARDS:	AGENCY(IES) WITH WARNINGS:	GS: NOGS	RC: None	NANO: No	ROLE: Hardener
None Found	No warnings found on HPD Priority Lists				

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

POLY[OXY(METHYL-1,2-ETHANEDIYL)], A-HYDRO-Ω-HYDROXY-

ID: 25322-69-4

HAZARDS:	AGENCY(IES) WITH WARNINGS:	GS: LT - UNK	RC: None	NANO: No	ROLE: Resin
None Found	No warnings found on HPD Priority Lists				

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

ALUMINUM OXIDE

ID: 1344-28-1

HAZARDS:	AGENCY(IES) WITH WARNINGS:	GS: LT - 1	RC: None	NANO: No	ROLE: Textured Filler
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CAN MAK Carcinogen Carc. 2
RES AOEC - Asthmagens Rs

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

PROPANOIC ACID, 2-METHYL-, 2,2-DIMETHYL-1-(1-METHYLETHYL)-1,3-PROPANEDIYL ESTER ID: 6846-50-0

%: 0.1-1% GS: LT - P1 RC: None NANO: No ROLE: Resin

HAZARDS: AGENCY(IES) WITH WARNINGS:
END TEDX - Potential Endocrine Disruptor Potential Endocrine Disruptor

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

PROPANOL, 1(OR 2)-(2-METHOXYMETHYLETHOXY)-, ACETATE ID: 88917-22-0

%: 0.1-1% GS: LT - UNK RC: None NANO: No ROLE: Resin

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found No warnings found on HPD Priority Lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

ISOCYANIC ACID, POLYMETHYLENEPOLYPHENYLENE ESTER, POLYMER WITH A-HYDRO-Ω-HYDROXYPOLY(OXY-1,2-ETHANEDIYL) ID: 57636-09-6

%: 0.1-1% GS: LT - UNK RC: None NANO: No ROLE: Hardener

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found No warnings found on HPD Priority Lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

BENZOIC ACID, 2-HYDROXY- ID: 69-72-7

%: 0.1-1% GS: LT - UNK RC: None NANO: No ROLE: Hardener

HAZARDS: AGENCY(IES) WITH WARNINGS:
None Found No warnings found on HPD Priority Lists

SUBSTANCE NOTES: A substance range is given to protect the intellectual property of both Dur-A-Flex and its suppliers.

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.

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.

Section 5: General Notes

Residuals and impurities were considered for all raw materials and those that show up above the stated threshold were listed.



Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Dur-A-Flex

ADDRESS:

95 Goodwin Street, East Hartford, CT 06108

WEBSITE: www.dur-a-flex.com

CONTACT NAME: Ron Phillips

TITLE: Product Manager

PHONE: 800-253-3539

EMAIL: contact_us@dur-a-flex.com

KEY

OSHA MSDS

Occupational Safety and Health Administration Material Safety Data Sheet

GHS SDS

Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

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

GreenScreen (GS)

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

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 nanoscale 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 note:

- 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.