

CLASSIFICATION: 09 72 19 Wall Coverings - Textile Wall Coverings

PRODUCT DESCRIPTION: ARO Shingle 1 is a wall system composed of individual courses that create a continuous, shingled effect when patterned across a larger surface. ARO Shingle 1 has two distinct tile profiles and the tile rows are offset to create multiple pattern readings. The tiles overlap each other vertically and horizontally and an acoustic substrate backs each tile. The courses attach to vertical strapping with FilzFelt’s Interlock Mounting System and choose from a wide range of colors to create endless patterning with the individual shingles.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format <input checked="" type="radio"/> Nested Materials Method <input type="radio"/> Basic Method	Threshold level <input type="radio"/> 100 ppm <input type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Per OSHA MSDS <input checked="" type="radio"/> Other	Residuals/Impurities Residuals/Impurities Considered in 2 of 3 Materials Explanation(s) provided for Residuals/Impurities? <input checked="" type="radio"/> Yes <input type="radio"/> No	<i>Are All Substances Above the Threshold Indicated:</i> Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Percent Weight and Role Provided?</i> Screened <input checked="" type="radio"/> Yes <input type="radio"/> No <i>Using Priority Hazard Lists with Results Disclosed?</i> Identified <input type="radio"/> Yes <input checked="" type="radio"/> No <i>Name and Identifier Provided?</i>
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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

AKUSTIKA 10 [POLYETHYLENE TEREPHTHALATE (PET) LT-UNK] 3MM
WOOL DESIGN FELT [SHEEPS WOOL NoGS SODIUM LAURYL SULFATE LT-P1 | MUL 1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-[[4-[1-[4-[[4- HYDROXYPHENYL]AZO]PHENYL]CYCLOHEXYL]PHENYL]AZO]- , DISODIUM SALT LT-UNK 2-NAPHTHALENESULFONIC ACID, 6-AMINO-4-HYDROXY-5-[[2-(TRIFLUOROMETHYL)PHENYL]AZO]-, MONOSODIUM SALT LT-UNK BENZENESULFONIC ACID, 4-[[5-METHOXY-4-[[4-METHOXYPHENYL] AZO]-2-METHYLPHENYL]AZO]-, SODIUM SALT LT-UNK C.I. ACID GREEN 16 LT-UNK 2-(METHYL(1-OXO-9-OCTADECENYL)AMINO)ETHANESULFONIC ACID, SODIUM SALT LT-UNK 2-(METHYL(1-OXO-9-OCTADECENYL)AMINO)ETHANESULFONIC ACID, SODIUM SALT LT-UNK BENZENESULFONIC ACID, [(9,10-DIHYDRO-9,10-DIOXO- 1,4-ANTHRACENEDIYL)BIS[IMINO[3-(2-METHYLPROPYL)-3 ,1-PROPANEDIYL]]]BIS-, DISODIUM SALT LT-P1 BENZENESULFONIC ACID, 3-[[4-[[2-ETHOXY-5-METHYLPHENYL] AZO]-1-NAPHTHALENYL]AZO]-, SODIUM SALT LT-UNK BENZENESULFONIC ACID, [(9,10-DIHYDRO-9,10-DIOXO- 1,4-ANTHRACENEDIYL)DIIMINO]BIS[ETHYLMETHYL-, DISODIUM SALT LT-UNK] INTERLOCK MOUNTING SYSTEM [CELLULOSE, MICROCRYSTALLINE NoGS MELAMINE-UREA-FORMALDEHYDE (MUF) LT-UNK WATER BM-4 UREA LT-UNK SLACK WAX (PETROLEUM) LT-1 | CAN | MUL MELAMINE LT-P1 | CAN | END FORMALDEHYDE LT-1 | RES | CAN | MAM | SKI | GEN | MUL | END PARAFFIN OIL LT-UNK | RES]

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:
Material is self reported based on information provided by manufacturers of component materials

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.

Other: OEKO-TEX Standard 100

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

☐ Yes

☒ No

PREPARER: **Self-Prepared**

VERIFIER:

VERIFICATION #:

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

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

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



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

AKUSTIKA 10		%: 59.0000 - 63.0000		HPD URL:	
PRODUCT THRESHOLD: Other		RESIDUALS AND IMPURITIES CONSIDERED: Yes			
RESIDUALS AND IMPURITIES NOTES: Through the quality control check, material is reviewed to determine impurities. Material containing impurities is removed and returned to the mill					
OTHER MATERIAL NOTES: Acoustical Substrate					
POLYETHYLENE TEREPHTHALATE (PET)					ID: 25038-59-9
%: 100.0000 - 100.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Substrate	
HAZARDS:		AGENCY(IES) WITH WARNINGS:			
None Found		No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Substrate					

3MM WOOL DESIGN FELT		%: 31.0000 - 37.0000		HPD URL: https://builder.hpd-collaborative.org/records/4517	
PRODUCT THRESHOLD: Other		RESIDUALS AND IMPURITIES CONSIDERED: Yes			
RESIDUALS AND IMPURITIES NOTES: Through the quality control check, material is reviewed to determine impurities. Material containing impurities is removed and returned to the mill for redye					
OTHER MATERIAL NOTES: 10 colorways are undyed (0% dye) sheep's wool and 53 colorways require a mix of dyes. Maximum content of all dyes combined is 1%.					
SHEEPS WOOL					ID: Not registered
%: 99.0000 - 100.0000		GS: NoGS	RC: None	NANO: No	ROLE: Textile
HAZARDS:		AGENCY(IES) WITH WARNINGS:			
None Found		No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%					

%: 0.0000 - 1.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Dye for Textile Finishing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%

1,3-NAPHTHALENEDISULFONIC ACID, 7-HYDROXY-8-[[4-[1-[4-[(4-HYDROXYPHENYL)AZO]PHENYL]CYCLOHEXYL]PHENYL]AZO]-, DISODIUM SALT

ID: 6507-77-3

%: 0.0000 - 1.0000

GS: LT-UNK

RC:

None

NANO:

No

ROLE: Dye for Textile Finishing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%

2-NAPHTHALENESULFONIC ACID, 6-AMINO-4-HYDROXY-5-[[2-(TRIFLUOROMETHYL)PHENYL]AZO]-, MONOSODIUM SALT

ID: 67786-14-5

%: 0.0000 - 1.0000

GS: LT-UNK

RC:

None

NANO:

No

ROLE: Dye for Textile Finishing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%

BENZENESULFONIC ACID, 4-[[5-METHOXY-4-[(4-METHOXYPHENYL) AZO]-2-METHYLPHENYL]AZO]-, SODIUM SALT

ID: 68555-86-2

%: 0.0000 - 1.0000

GS: LT-UNK

RC:

None

NANO:

No

ROLE: Dye for Textile Finishing

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%

C.I. ACID GREEN 16

ID: 12768-78-4

%: 0.0000 - 1.0000		GS: LT-UNK		RC: None		NANO: No		ROLE: Dye for Textile Finishing	
HAZARDS:		AGENCY(IES) WITH WARNINGS:							
None Found		No warnings found on HPD Priority lists							
SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%									

2-(METHYL(1-OXO-9-OCTADECENYL)AMINO)ETHANESULFONIC ACID, SODIUM SALT

ID: 137-20-2

<div> <div>%: 0.0000 - 1.0000</div> <div>GS: LT-UNK</div> <div>RC: None</div> <div>NANO: No</div> <div>ROLE: Dye for Textile Finishing</div> </div>	
HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists
<div> <div>SUBSTANCE NOTES:</div> <div>Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%</div> </div>	

2-(METHYL(1-OXO-9-OCTADECENYL)AMINO)ETHANESULFONIC ACID, SODIUM SALT

ID: 137-20-2

%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Dye for Textile Finishing
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%				

BENZENESULFONIC ACID, [(9,10-DIHYDRO-9,10-DIOXO- 1,4-ANTHRACENEDIYL)BIS[IMINO[3-(2-METHYLPROPYL)-3 ,1-PROPANEDIYL]]]BIS-, DISODIUM SALT

ID: 72749-90-7

%: 0.0000 - 1.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Dye for Textile Finishing
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%				

BENZENESULFONIC ACID, 3-[[4-[(2-ETHOXY-5-METHYLPHENYL) AZO]-1-NAPHTHALENYL]AZO]-, SODIUM SALT

ID: 68959-00-2

%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Dye for Textile Finishing
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HAZARDS:		AGENCY(IES) WITH WARNINGS:		
None Found		No warnings found on HPD Priority lists		
SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%				
BENZENESULFONIC ACID, [(9,10-DIHYDRO-9,10-DIOXO- 1,4-ANTHRACENEDIYL)DIIMINO]BIS[ETHYLMETHYL-, DISODIUM SALT				ID: 83027-61-6
%: 0.0000 - 1.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Dye for Textile Finishing
HAZARDS:		AGENCY(IES) WITH WARNINGS:		
None Found		No warnings found on HPD Priority lists		
SUBSTANCE NOTES: Some colorways are 100% undyed sheep's wool and others require a mix of dyes. Maximum content of all dyes combined is 1%				

INTERLOCK MOUNTING SYSTEM	%: 12.0000 - 17.0000	HPD URL:
PRODUCT THRESHOLD: Other		RESIDUALS AND IMPURITIES CONSIDERED: No
RESIDUALS AND IMPURITIES NOTES: Impurities and Residuals are not considered		
OTHER MATERIAL NOTES: Interlock Mounting System is made to order and percentages or material are dependent upon the amount of required material.		

CELLULOSE, MICROCRYSTALLINE				ID: 9004-34-6
%: 76.0000 - 93.0000	GS: NoGS	RC: None	NANO: No	ROLE: Structural Component
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Structural Component				

MELAMINE-UREA-FORMALDEHYDE (MUF)				ID: 25036-13-9
%: 7.0000 - 8.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Binder.				

WATER	ID: 7732-18-5
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%: 4.0000 - 6.0000	GS: BM-4	RC: None	NANO: No	ROLE: Humidity
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Humidity				

UREA

ID: **57-13-6**

%: 1.0000 - 3.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Scavenger
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Scavenger				

SLACK WAX (PETROLEUM)

ID: **64742-61-6**

%: 0.0000 - 1.0000	GS: LT-1	RC: None	NANO: No	ROLE: Wax
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	EU - GHS (H-Statements)	H350 - May cause cancer		
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		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters		
CANCER	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence		
CANCER	Australia - GHS	H350 - May cause cancer		
SUBSTANCE NOTES: Wax				

MELAMINE

ID: **108-78-1**

%: 0.0000 - 1.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Monomer
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
CANCER	IARC	Group 2b - Possibly carcinogenic to humans		
ENDOCRINE	TEDX - Potential Endocrine Disruptors		Potential Endocrine Disruptor	
SUBSTANCE NOTES: From Melamine-Urea-Formaldehyde (MUF) resin				

%: **0.0000 - 1.0000**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Monomer**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

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	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: From Formaldehyde compounds, Urea formaldehyde based

<div>%: 0.0000 - 1.0000</div>		<div>GS: LT-UNK</div>		<div>RC: None</div>		<div>NANO: No</div>		<div>ROLE: Monomer</div>	
HAZARDS:		AGENCY(IES) WITH WARNINGS:							
RESPIRATORY		AOEC - Asthmagens				Asthmagen (G) - generally accepted			
SUBSTANCE NOTES: From Slack wax (petroleum)									

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.

OTHER

OEKO-TEX Standard 100

CERTIFYING PARTY: **Second Party**

ISSUE DATE: **2017-**

EXPIRY DATE: **2018-**

CERTIFIER OR LAB: **Hohenstein**

APPLICABLE FACILITIES: **Spinneybeck | FilzFelt**

11-22

09-30

Textile Testing Institute

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.

INTERLOCK MOUNTING SYSTEM

HPD URL:

<https://www.filzfelt.com/index.php?/shop/product/aro-shingle-1>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Mounting product to wall

Section 5: General Notes

Wool felt is a natural material and color variation and inclusions of natural fiber on the surface are evidence of the 100% natural origin of the material. Product color is only indicative, as it is not possible to assure consistency of color in a natural product due to the natural color of raw wool and absorption of dyes. Color matching cannot be guaranteed on shipments and variation will be more pronounced beyond the normal commercial range.



MANUFACTURER INFORMATION

MANUFACTURER: **Spinneybeck | FilzFelt**

ADDRESS: **425 CrossPoint Parkway**

Getzville New York 14068, United States

WEBSITE: **425 CrossPoint Parkway**

CONTACT NAME: **Peter Harenda**

TITLE: **Product Testing Coordinator**

PHONE: **7164462358**

EMAIL: **pharenda@spinneybeck.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/systemic/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
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U 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.