

CLASSIFICATION: Acoustical Ceilings

PRODUCT DESCRIPTION: Armstrong Calla PrivAssure™ Ceiling Panels are wet-formed mineral fiber acoustical ceiling panels that feature a fine-textured, non-directional visual and provide the highest levels of confidentiality for closed plan interior spaces.

Section 1: Summary

Basic 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

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided
for Residuals/Impurities?

- Yes No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No
% weight and role provided for all substances.

Screened Yes Ex/SC Yes No
All substances screened using Priority Hazard Lists with results disclosed.

Identified Yes Ex/SC Yes No
All substances disclosed by Name (Specific or Generic) and Identifier.

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

CALLA PRIVASSURE™ CEILING PANELS [**MINERAL WOOL** LT-UNK | **CAN CLAY** LT-UNK | **CAN PERLITE ORE** NoGS **CORN STARCH** LT-UNK **CELLULOSE** NoGS **QUARTZ** LT-1 | **CAN POLY(OXY-1,2-ETHANEDIYL), α-[3,5-DIMETHYL-1-(2-METHYLPROPYL)HEXYL]-ω-HYDROXY-** LT-UNK **FATTY ACIDS, C14-18 AND C16-18-UNSATD., CALCIUM SALTS** NoGS **CALCIUM CARBONATE** LT-UNK **TITANIUM DIOXIDE** LT-1 | **CAN | END ALUMINUM HYDROXIDE** BM-2 | **RES POLYVINYL ACETATE** LT-UNK **KIESELGUHR, SODA ASH FLUX-CALCINED** LT-UNK **STARCH, 2-HYDROXYETHYL ETHER** NoGS **CRISTOBALITE (SiO2)** LT-1 | **CAN PROPANOL, OXYBIS-, DIBENZOATE** LT-P1 | **MUL POLY(OXY-1,2-ETHANEDIYL), α-HYDRO-ω-HYDROXY-** LT-UNK **CALCIUM CARBONATE** BM-3 **POLYVINYL ALCOHOL** LT-UNK **AMORPHOUS SILICA** LT-P1 | **CAN CELLULOSE, 2-HYDROXYETHYL ETHER** LT-P1 | **END MICA-GROUP MINERALS** LT-UNK]

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:

Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 100ppm.

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: UL/GreenGuard Gold Certified

LCA: Environmental Product Declaration Product Specific - UL

Other: ILFI Declare - LBC Compliant

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-09-24

PUBLISHED DATE: 2019-09-24

EXPIRY DATE: 2022-09-24



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

CALLA PRIVASSURE™ CEILING PANELS

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 100ppm.

OTHER PRODUCT NOTES: For more detail on Calla product family visit www.armstrongceilings.com/calla

MINERAL WOOL

ID: 65997-17-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-24

#: 50.00 - 60.00

GS: LT-UNK

RC: Both

NANO: No

ROLE: Base Board

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

EU - GHS (H-Statements)

H351 - Suspected of causing cancer

SUBSTANCE NOTES: Mineral fiber is not classified as a carcinogen by IARC, NTP, CA Proposition 65 or OSHA. The R40 and H351 phrases below are triggered by a special provision "Note Q", found only in the EU's CLP Regulation and for which the applicability to the provided products is neither certain nor adopted by the manufacturer. The world's leading institute on carcinogen classification, the International Agency for Research on Cancer (IARC) has determined that there is insufficient evidence to classify this material as carcinogenic. The EU's CLP Regulation focused on creating criteria to characterize biosolubility, but did not provide data to support a causal relationship between the EU test method and actual carcinogenicity.

CLAY

ID: 1332-58-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-24

#: 10.00 - 15.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Filler for panel

PERLITE ORE

ID: 130885-09-5

%: **10.00 - 15.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Filler**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Filler for panel****CORN STARCH**ID: **9005-25-8**%: **5.00 - 10.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Starch - Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Binder for panel****CELLULOSE**ID: **9004-34-6**%: **0.00 - 5.00**GS: **NoGS**RC: **None**NANO: **No**ROLE: **Binder**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Binder for panel****QUARTZ**ID: **14808-60-7**%: **0.00 - 5.00**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
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	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Australia	H350i - May cause cancer by inhalation
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]

SUBSTANCE NOTES: Filler for panel . Quartz is bound within the coating and is not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

POLY(OXY-1,2-ETHANEDIYL), α -[3,5-DIMETHYL-1-(2-METHYLPROPYL)HEXYL]- ω -HYDROXY-

ID: 60828-78-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-09-24		
%: 0.00 - 5.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: **Substance in coating**

FATTY ACIDS, C14-18 AND C16-18-UNSATD., CALCIUM SALTS

ID: 68424-16-8

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-09-24		
%: 0.00 - 5.00	GS: NoGS	RC: None	NANO: No	ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: **Surfactant**

CALCIUM CARBONATE

ID: 1317-65-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-09-24		
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#: 0.00 - 5.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Filler in coating. Calcium Carbonate used in this product in not regulated as a hazardous substance. Calcium Carbonate used in this product is not a registered pesticide under FIFRA. Calcium Carbonate is not registered as a persistent material.

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-24

#: 0.00 - 1.00

GS: LT-1

RC: None

NANO: No

ROLE: Pigment

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

CANCER

CA EPA - Prop 65

Carcinogen - specific to chemical form or exposure route

CANCER

IARC

Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

CANCER

MAK

Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

CANCER

MAK

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

SUBSTANCE NOTES: Titanium Dioxide is bound within the coating and is not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

ALUMINUM HYDROXIDE

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-24

#: 0.00 - 1.00

GS: BM-2

RC: None

NANO: No

ROLE: Filler

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Substance in coating

POLYVINYL ACETATE

ID: 9003-20-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-09-24

#: 0.00 - 1.00

GS: LT-UNK

RC: None

NANO: No

ROLE: Adhesive

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

SUBSTANCE NOTES: Adhesive for board/facing

KIESELGUHR, SODA ASH FLUX-CALCINED

ID: 68855-54-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-09-24		
#: 0.00 - 1.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Filler

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

SUBSTANCE NOTES: Ingredient in coating

STARCH, 2-HYDROXYETHYL ETHER

ID: 9005-27-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-09-24		
#: 0.00 - 1.00	GS: NoGS	RC: None	NANO: No	ROLE: Starch - Binder

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

SUBSTANCE NOTES: Binder in coating

CRISTOBALITE (SIO2)

ID: 14464-46-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-09-24		
#: 0.00 - 1.00	GS: LT-1	RC: None	NANO: No	ROLE: Filler

HAZARD TYPE	AGENCY AND LIST TITLES	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	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Australia	H350i - May cause cancer by inhalation
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]

SUBSTANCE NOTES: Filler in panel . The substance is bound within the coating and not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

PROPANOL, OXYBIS-, DIBENZOATE

ID: 27138-31-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-09-24		
%: 0.00 - 1.00	GS: LT-P1	RC: None	NANO: No	ROLE: Adhesive
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		

SUBSTANCE NOTES: **Adhesive**

POLY(OXY-1,2-ETHANEDIYL), α -HYDRO- ω -HYDROXY-

ID: 25322-68-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-09-24		
%: 0.00 - 1.00	GS: LT-UNK	RC: None	NANO: No	ROLE: Surfactant
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		

SUBSTANCE NOTES: **substance in coating**

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2019-09-24		
%: 0.00 - 1.00	GS: BM-3	RC: None	NANO: No	ROLE: Pigment

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

SUBSTANCE NOTES: Substance in coating .

POLYVINYL ALCOHOL

ID: 9002-89-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-09-24**

#: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **binder**

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

SUBSTANCE NOTES: binder in coating

AMORPHOUS SILICA

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-09-24**

#: **0.00 - 0.10** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Filler**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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CANCER GHS - Australia H350i - May cause cancer by inhalation

CANCER GHS - Japan Carcinogenicity - Category 1A [H350]

SUBSTANCE NOTES: Silica is bound within the coating and not inhalable. Accordingly, it is excluded from regulatory hazard lists. It is not in a respirable form in the final product.

CELLULOSE, 2-HYDROXYETHYL ETHER

ID: 9004-62-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-09-24**

#: **0.00 - 0.10** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Thickener**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
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ENDOCRINE TEDX - Potential Endocrine Disruptors Potential Endocrine Disruptor

SUBSTANCE NOTES: Thickner in coating

MICA-GROUP MINERALS

ID: 12001-26-2

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-09-24**

#: **0.00 - 0.10** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler**

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: **Filler in finish**

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

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **all**

CERTIFICATE URL:

<https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/certificates/>

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2019-10-01	2020-10-01	UL Environment

CERTIFICATION AND COMPLIANCE NOTES:

LCA

Envciornmental Product Declaration Product Specific - UL

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **all 05-**

CERTIFICATE URL:

<https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/calla-epd.pdf>

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2016-05-31	2021-05-31	UL Environment

CERTIFICATION AND COMPLIANCE NOTES: **Product specific EPD**

OTHER

ILFI Declare - LBC Compliant

CERTIFYING PARTY: **Second Party**

APPLICABLE FACILITIES: **all**

CERTIFICATE URL:

https://www.armstrongceilings.com/commercial/en-us/performance/sustainable-building-design/declare-labels-commercial-ceilings.html#redirect_term=Declare

ISSUE DATE:	EXPIRY DATE:	CERTIFIER OR LAB:
2019-10-01	2020-10-01	ILFI

CERTIFICATION AND COMPLIANCE NOTES: **Declare**

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

This HPD is provided solely for the intended recipient in connection with its assessment of products and for no

other purpose. In providing information, AWI expresses no opinion and makes no representations as to the applicability, suitability, accuracy or completeness of the declaration form, or the standards, rules, classifications, warnings or criteria utilized or referenced therein. Information provided herein is qualified in the entirety by reference to the applicable product Safety Data Sheet (SDS) which can be located at www.armstrongceilings.com, as well as by the additional ingredient information provided for specified substances. Please refer to the Armstrong Commercial Ceilings website for more information on this product.



MANUFACTURER INFORMATION

MANUFACTURER: **Armstrong World Industries**
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Lancaster PA 17603, United States
 WEBSITE: **armstrongceilings.com**

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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.