

HPD UNIQUE IDENTIFIER: 23817

CLASSIFICATION: 08 44 13 Glazed Aluminum Curtain Walls

PRODUCT DESCRIPTION: Glazed Aluminum Curtain Wall Systems by ALUMIL S.A. Systems covered are: M7, M6, M50, M35, M78 Aluminium mullions and transoms form the framing member of the facade where glass is fixed with aluminium pressure plates and decorative caps on the outside. Outward projecting or parallel projecting windows are available within the system. A variety of mullions is available according to the wind load specifications of each project. Basic mullion - transom width varies between 35mm and 78mm

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold level	Residuals/Impurities	<i>All Substances Above the Threshold Indicated Are:</i>
<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input checked="" type="radio"/> Considered	Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input checked="" type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	<i>% weight and role provided for all substances.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Considered	Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided for Residuals/Impurities?	<i>All substances screened using Priority Hazard Lists with results disclosed.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No
			<i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i>

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

ALUMIL GLAZED CURTAIN WALL SYSTEMS [UNS A96060
ALUMINUM ALLOY NoGS **UNDISCLOSED** BM-1 | CAN **UNDISCLOSED**
LT-UNK **UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-1 | CAN | MUL
UNDISCLOSED LT-UNK **UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-P1
 | PBT **UNDISCLOSED** LT-UNK **UNDISCLOSED** LT-P1 **UNDISCLOSED**
 BM-1 | AQU | END | RES | MUL **UNDISCLOSED** LT-UNK **UNDISCLOSED**
LT-UNK **STAINLESS STEEL** NoGS **UNDISCLOSED** LT-P1 | MUL **ABS**
RESIN LT-UNK **LIMESTONE** LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The product covered by the HPD does not contain any IGU or installation materials. These lie within the installer's responsibility, who carries the product installation on site. All other materials needed for the fabrication are included in the official technical catalog of the system and are fully covered within the present HPD. Due to the proprietary nature of the information, the name and CAS number for certain chemicals have been redacted from this substance entry.

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: VOC Emissions by Construction Products Regulation (CPR) CEN/TC 351
 LCA: Environmental Product Declaration (EPD) by EAA
 LCA: Environmental Product Declaration (EPD) by EAA

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared
 VERIFIER: SCS Global Services
 VERIFICATION #: qGE-10479

SCREENING DATE: 2021-01-11
 PUBLISHED DATE: 2021-02-16
 EXPIRY DATE: 2024-01-11

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.hpdc-collaborative.org/hpd-2-2-standard

ALUMIL GLAZED CURTAIN WALL SYSTEMS

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Alumil worked with the the verifier to confirm that all intentionally added ingredients, residuals and impurities were considered under the preparation of this HPD. This was accomplished by obtaining formulation disclosure, including residuals and impurities, down to the 1,000 ppm threshold.

OTHER PRODUCT NOTES:

UNS A96060 ALUMINUM ALLOY

ID: Not registered

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-11

#: 74.2000 - 83.6300 GS: NoGS RC: Both NANO: No SUBSTANCE ROLE: Structure component

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

SUBSTANCE NOTES: Aluminum Bars produced by ALUMIL S.A. contain 40% recycled aluminum with at least 26% Pre-Consumer and the balance 14% Post-Consumer recycled content as defined in accordance with ISO 14021. Mullions, transoms, mullion-transom connectors, anchors are all part of the curtain wall and produced by aluminum.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-11

#: 2.8350 - 9.4635 GS: BM-1 RC: None NANO: No SUBSTANCE ROLE: Sealant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSED

ID: Undisclosed

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2021-01-11

#: 2.1260 - 7.2100 GS: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Sealant

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

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-11		
#: 1.4520 - 3.7620	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Insulator

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

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-11		
#: 1.4180 - 4.9570	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Sealant

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	EU - GHS (H-Statements)	H350 - May cause cancer
CAN	EU - REACH Annex XVII CMRs	Carcinogen Category 2 - Substances which should be regarded as if they are Carcinogenic to man
CAN	EU - Annex VI CMRs	Carcinogen Category 1B - Presumed Carcinogen based on animal evidence
MUL	ChemSec - SIN List	CMR - Carcinogen, Mutagen &/or Reproductive Toxicant
CAN	GHS - Australia	H350 - May cause cancer

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2021-01-11		
#: 0.6200 - 2.9290	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Sealant

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

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**%: **0.6070 - 1.7560** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Insulator**

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

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**%: **0.1590 - 0.5860** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Sealant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
PBT	EC - CEPA DSL	Persistent, Bioaccumulative and inherently Toxic (PBiTE) to the Environment (based on aquatic organisms)

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**%: **0.1320 - 0.9410** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Insulator**

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

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**%: **0.1060 - 0.5630** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Sealant**

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

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSEDID: **Undisclosed**HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**

#: 0.0890 - 0.4510

GS: BM-1

RC: None

NANO: No

SUBSTANCE ROLE: Sealant

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
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**

#: 0.0710 - 0.2930

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Sealant

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

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**

#: 0.0620 - 0.2700

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Sealant

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

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

STAINLESS STEEL

ID: **12597-68-1**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**

#: 0.0400 - 4.4100

GS: NoGS

RC: None

NANO: No

SUBSTANCE ROLE: Hardware

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

SUBSTANCE NOTES: All screws used for the assembly of the product are stainless steel.

UNDISCLOSED

ID: **Undisclosed**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**

#: **0.0180 - 0.1130** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Sealant**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: The verifier obtained full disclosure down to the 1,000 ppm threshold for the trade name ingredient containing this chemical. Due to the proprietary nature of the information, the name and CAS number for this chemical have been redacted from this substance.

ABS RESIN ID: **9003-56-9**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**

#: **0.0100 - 0.2600** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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

SUBSTANCE NOTES: Glazing support.

LIMESTONE ID: **1317-65-3**

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2021-01-11**

#: **0.0000 - 0.1260** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

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

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	VOC Emissions by Construction Products Regulation (CPR) CEN/TC 351		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Alumil S.A. Gogousi 8 str. Thessaloniki Efkarpia 56429, Greece CERTIFICATE URL:	ISSUE DATE: 2019-06-01	EXPIRY DATE:	CERTIFIER OR LAB: ift ROSENHEIM
CERTIFICATION AND COMPLIANCE NOTES: : In Germany at present, no approval according to the AgBB scheme is necessary for windows and curtain walls, and thus the evaluation system is not binding for these product categories. Nonetheless, if the AgBB scheme would be used for the evaluation of the measure values, all components examined (3 aluminum widow, 2 aluminum curtain walls) would meet the requirements of the AgBB scheme. When evaluated according to the French evaluation system (Emissions dans l'air interieur), all products examined achieved the best possible emission class A+ clearly and safely.			

LCA	Environmental Product Declaration (EPD) by EAA		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Alumil S.A. Gogousi 8 str. Thessaloniki Efkarpia 56429, Greece CERTIFICATE URL:	ISSUE DATE: 2017-12-01	EXPIRY DATE: 2022-11-30	CERTIFIER OR LAB: European Aluminium Association
CERTIFICATION AND COMPLIANCE NOTES: ENVIRONMENTAL PRODUCT DECLARATION in accordance with ISO 14025 and EN 15804. This EPD covers 1 m2 of curtain wall type M7. The EPD results have been calculated from a modelling tool developed by think step via an i-report in GaBi 6 using the specific bill of materials of the M7 curtain wall for calculating the EPD results. The results generated by this EPD-data software can be considered as a good proxy to model the M7 curtain walls designed by ALUMIL and fabricated and/or installed by their European distributors.			

LCA	Environmental Product Declaration (EPD) by EAA		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Alumil S.A. Gogousi 8 str. Thessaloniki Efkarpia 56429, Greece CERTIFICATE URL:	ISSUE DATE: 2017-12-01	EXPIRY DATE: 2022-11-30	CERTIFIER OR LAB: European Aluminum AISBL
CERTIFICATION AND COMPLIANCE NOTES: ENVIRONMENTAL PRODUCT DECLARATION in accordance with ISO 14025 and EN 15804. This EPD covers 1 m2 of curtain wall type M50. The EPD results have been calculated from a modelling tool developed by thinkstep via an i-report in GaBi 6 using the specific bill of materials of the M50 curtain wall for calculating the EPD results. The results generated by this EPD-data software can be considered as a good proxy to model the M50 curtain walls designed by ALUMIL and fabricated and/or installed by their European distributors.			

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

ALUMIL S.A. offers a complete range of architectural systems for every project application. We provide all necessary aluminium profiles and accessories so that all the following products can be fabricated: Hinged window & door systems, Sliding window & door systems, Shutter & Rolling shutter systems, Bi-Folding door systems, Entrance doors, Fire Resistant & Heavy duty doors, Curtain Wall & Façade systems, Office partition systems, Solar shading systems, Cladding systems, Atrium & Conservatory systems, Customized fenestration systems, Polycarbonate sheets, Railing systems, Pergola systems, Decking systems, Photovoltaic mounting systems, Noise barriers

MANUFACTURER INFORMATION

MANUFACTURER: Alumil S.A.
ADDRESS: Gogousi 8 str.
 Thessaloniki Efkarpia 56429, Greece
WEBSITE: www.alumil.com

CONTACT NAME: Filippos Domazinakis
TITLE: Group Head of R&D Department
PHONE: +302313011000
EMAIL: f.domazinakis@alumil.com

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

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

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