

CLASSIFICATION: 095100

created via: HPDC Online Builder

PRODUCT DESCRIPTION: A smooth visual ceiling with Total Acoustics™ performance - sound absorption and blocking needed for today's flexible spaces; durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant.

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

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/BM3 contents..... 1
Contents highest concern GreenScreen
Benchmark or List translator Score..... BM-1
Nanomaterial..... No

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

INVENTORY AND SCREENING NOTES:

Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.

ULTIMA CELING PANELS [MINERAL WOOL (BIOINSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT) **LT-UNK** | CAN FIBERGLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT **LT-UNK** CELLULOSE PULP **NoGS** STARCH **LT-UNK** HYDROXYETHYL CELLULOSE **LT-P1** | END LIMESTONE; CALCIUM CARBONATE **LT-UNK** CALCIUM CARBONATE **BM-3** DOLOMITE **NoGS** STARCH **NoGS** KAOLIN CLAY **LT-UNK** | CAN DOLOMITE **NoGS** POLY(VINYL ALCOHOL) **LT-UNK** MELAMINE CYANURATE **BM-1** ETHYLENE COPOLYMER **NoGS** UNDISCLOSED **BM-2** | RES FATTY ACIDS, C16-22 AND C18-UNSATD. (FATTY ACIDS, C16-22 AND C18-UNSATD.) **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN | END POLYVINYL ACETATE (PVA) **LT-UNK** QUARTZ **LT-1** | CAN STARCH, PHOSPHATE **LT-UNK** SILICA, AMORPHOUS **LT-P1** | CAN ALUMINA TRIHYDRATE **BM-2** | RES]

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: Clear Chem - Berkeley Analytical - Third Party compliant with CDPH/EHLB Std. Method V1.1 2010 . VOC Certificate of Compliance for Ultima LCA: Environmental Product Declaration
Other: International Living Future Institute - Ultima AirGuard Declare Label

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: 2017-08-28

PUBLISHED DATE: 2017-08-29

EXPIRY DATE: 2020-08-28

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

ULTIMA CELING PANELS

PRODUCT THRESHOLD: 1000 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 1000ppm.

OTHER PRODUCT NOTES: None

MINERAL WOOL (BIOINSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT)

ID: 65997-17-3

#: 50.0000 - 80.0000 GS: LT-UNK RC: PreC NANO: No ROLE: Core

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

EU - R-phrases

R40 - Limited Evidence of Carcinogenic Effects

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.

FIBERGLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT

ID: 65997-17-3

#: 20.0000 - 35.0000 GS: LT-UNK RC: Both NANO: No ROLE: Fiber Core

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

CELLULOSE PULP

ID: 65996-61-4

#: 20.0000 - 30.0000 GS: NoGS RC: None NANO: No ROLE: Binder

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

STARCH

ID: 9005-25-8

#: **7.0000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Core**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

HYDROXYETHYL CELLULOSE

ID: 9004-62-0

#: **1.0000 - 5.0000** GS: **LT-P1** RC: **Both** NANO: **No** ROLE: **Thickener**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

SUBSTANCE NOTES: None

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

#: **1.0000 - 5.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

CALCIUM CARBONATE

ID: 471-34-1

#: **1.0000 - 5.0000** GS: **BM-3** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

DOLOMITE

ID: 16389-88-1

#: **0.5000 - 5.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

STARCH

ID: **9005-27-0**

#: **0.5000 - 5.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

KAOLIN CLAY

ID: **1332-58-7**

#: **0.5000 - 10.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

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

SUBSTANCE NOTES: Kaolin clay (general): Kaolin clay used in this product in not regulated as a hazardous substance. MAK denotes German occupational exposure

DOLOMITE

ID: **16389-88-1**

#: **0.5000 - 5.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

POLY(VINYL ALCOHOL)

ID: **9002-89-5**

#: **0.1000 - 5.0000** 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: None

MELAMINE CYANURATE

ID: **37640-57-6**

#: **0.1000 - 5.0000** GS: **BM-1** RC: **None** NANO: **No** ROLE: **Adhesive**

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

SUBSTANCE NOTES: None

ETHYLENE COPOLYMER

ID: 26713-18-8

#: **0.1000 - 5.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Adhesive**

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

SUBSTANCE NOTES: None

UNDISCLOSED

#: **0.1000 - 0.2000** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Fire Retardant**

HAZARDS:	AGENCY(IES) WITH WARNINGS:
RESPIRATORY	AOEC - Asthmagens Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: This ingredient has been screened against all HPDV2 Lists and is free of any chemicals of concern.

FATTY ACIDS, C16-22 AND C18-UNSATD. (FATTY ACIDS, C16-22 AND C18-UNSATD.)

ID: 68424-13-5

#: **0.0100 - 1.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Surfactant**

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

SUBSTANCE NOTES: None

TITANIUM DIOXIDE

ID: 13463-67-7

#: **0.0100 - 1.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Pigment**

HAZARDS:	AGENCY(IES) WITH 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
CANCER	MAK Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

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.

POLYVINYL ACETATE (PVA)

ID: 9003-20-7

#: **0.0100 - 0.1000** 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: Polyvinyl Acetate used in this product in not regulated as a hazardous substance. Polyvinyl acetate (FIFRA Pesticide): Polyvinyl acetate used in this product is not a registered pesticide under FIFRA. Polyvinyl Acetate (EC CEPA DSL): Polyvinyl Acetate is not registered as a persistent material.

QUARTZ

ID: 14808-60-7

#: **0.0100 - 5.0000** GS: **LT-1** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS: AGENCY(IES) WITH WARNINGS:

CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
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	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Australia - GHS	H350 - May cause cancer

SUBSTANCE NOTES: 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. MAK denotes a German occupational exposure.

STARCH, PHOSPHATE

ID: 11120-02-8

#: **0.0100 - 1.0000** 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: None

%: 0.0100 - 1.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Filler
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES: None

ALUMINA TRIHYDRATE

ID: 21645-51-2

%: 0.0100 - 1.0000	GS: BM-2	RC: None	NANO: No	ROLE: Filler
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (ARs) - sensitizer-induced - inhalable forms only

SUBSTANCE NOTES: Alumina trihydrate is bound within the coating and is not inhalable. It is not in a respirable form in the final product.


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

Clear Chem - Berkeley Analytical - Third Party compliant with CDPH/EHLB Std. Method V1.1 2010 . VOC Certificate of Compliance for Ultima

CERTIFYING PARTY: Third Party

ISSUE DATE: 2016-07-

EXPIRY DATE: 2018-

CERTIFIER OR LAB: Berkeley

APPLICABLE FACILITIES:

20

07-20

Analytical

CERTIFICATE URL:

<https://www.armstrongceilings.com/pdbupimages-clg/201065.pdf/download/voc-certificate-of-compliance-ultima.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

LCA**Environmental Product Declaration**

CERTIFYING PARTY: Third Party

ISSUE DATE: 2016-03-

EXPIRY DATE: 2020-

CERTIFIER OR LAB: UL Environment

APPLICABLE FACILITIES:

31

03-31

CERTIFICATE URL:

<https://www.armstrongceilings.com/pdbupimages-clg/211076.pdf/download/ultima-ceiling-panels-epd.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

CERTIFYING PARTY: Third Party

ISSUE DATE: 2017-04-01

EXPIRY DATE: 2018-04-01

CERTIFIER OR LAB: ILFI

APPLICABLE FACILITIES: all

CERTIFICATE URL: <https://access.living-future.org/ultima%C2%AE-ceiling-panels-airguard%E2%84%A2-coating>

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.

ARMSTRONG SUSPENSION SYSTEMS

HPD URL: <https://www.armstrongceilings.com/commercial/en-us/suspension-systems/ceiling-grid.html>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

All Armstrong ceiling panels can be combined with Armstrong Suspension systems to create a total ceiling solution.

+ 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, Armstrong World Industries 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.

+ Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Armstrong World Industries**ADDRESS: **2500 Columbia Avenue
Lancaster PA 17603, USA**WEBSITE: **www.armstrongceilings.com**CONTACT NAME: **Armstrong Technical Services**TITLE: **Techline**PHONE: **1-877-276-7876**EMAIL: **techline@armstrongceilings.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

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

BM-2 Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

NoGS Unknown (no data on List Translator Lists)

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.