

CLASSIFICATION: 095100

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. Offers high recycled content.

created via: HPDC Online Builder

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format ☐ Nested Materials Method ☒ Basic Method	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	<i>Are All Substances Above the Threshold Indicated:</i> Characterized <i>Percent Weight and Role Provided?</i> ☒ Yes ☐ No Screened <i>Using Priority Hazard Lists with Results Disclosed?</i> ☒ Yes ☐ No Identified <i>Name and Identifier Provided?</i> ☐ Yes ☒ No
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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

ULTIMA HRC COMMERCIAL CEILINGS | MINERAL WOOL (BIOINSOLUBLE, WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT GREATER THAN 18 % BY WEIGHT) LT-UNK | CAN CELLULOSE PULP NoGS TITANIUM DIOXIDE LT-1 | CAN | END FIBERGLASS LT-UNK | CAN STARCH LT-UNK KAOLIN CLAY LT-UNK | CAN LIMESTONE; CALCIUM CARBONATE LT-UNK HYDROXYETHYL STARCH 130/0.4 [USAN] NoGS POLY(VINYL ALCOHOL) LT-UNK ETHYLENE COPOLYMER NoGS KAOLIN, CALCINED LT-UNK QUARTZ LT-1 | CAN ALUMINA TRIHYDRATE BM-2 | RES MELAMINE CYANURATE BM-1 SILICA, AMORPHOUS LT-P1 | CAN UNDISCLOSED BM-2 | RES PERLITE (PERLITE) 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:

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

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

No pre-checks completed or disclosed

Third Party Verified? ☐ Yes ☒ No	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2017-09-21 PUBLISHED DATE: 2017-09-21 EXPIRY DATE: 2020-09-21
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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 HRC COMMERCIAL CEILINGS

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:

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

ID: 65997-17-3

%: 30.0000 - 70.0000

GS: LT-UNK

RC: None

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.

CELLULOSE PULP

ID: 65996-61-4

%: 10.0000 - 30.0000

GS: NoGS

RC: None

NANO: No

ROLE: Core Binder

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

SUBSTANCE NOTES: Binder ingredient

TITANIUM DIOXIDE

ID: 13463-67-7

%: 1.0000 - 5.0000

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
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

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.

FIBERGLASS

ID: 65997-17-3

%: 1.0000 - 5.0000 HAZARDS: CANCER CANCER	GS: LT-UNK AGENCY(IES) WITH WARNINGS: EU - R-phrases EU - GHS (H-Statements)	RC: None R40 - Limited Evidence of Carcinogenic Effects H351 - Suspected of causing cancer	NANO: No	ROLE: Fiber Core
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SUBSTANCE NOTES: This ingredient is not inhalable, it is excluded from regulatory hazard lists. It is not in a reparable form in the final product.

STARCH

ID: 9005-25-8

%: 1.0000 - 10.0000 HAZARDS: None Found	GS: LT-UNK AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists	RC: None	NANO: No	ROLE: Binder
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SUBSTANCE NOTES: Binder in this product

KAOLIN CLAY

ID: 1332-58-7

%: 1.0000 - 10.0000 HAZARDS: CANCER	GS: LT-UNK AGENCY(IES) WITH WARNINGS: MAK	RC: None Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification	NANO: No	ROLE: Filler
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SUBSTANCE NOTES: Kaolin clay used in this product in not regulated as a hazardous substance. MAK denotes German occupational exposure.

LIMESTONE; CALCIUM CARBONATE

ID: 1317-65-3

%: 1.0000 - 5.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Filler
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HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists
SUBSTANCE NOTES: Filler in product	

HYDROXYETHYL STARCH 130/0.4 [USAN]

ID: 9005-27-0

%: 0.1000 - 1.0000	GS: NoGS	RC: None	NANO: No	ROLE: Binder
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			
SUBSTANCE NOTES: Binder				

POLY(VINYL ALCOHOL)

ID: 9002-89-5

%: 0.1000 - 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				

ETHYLENE COPOLYMER

ID: 26713-18-8

%: 0.1000 - 1.0000	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				

KAOLIN, CALCINED

ID: 92704-41-1

%: 0.0100 - 1.0000	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				

QUARTZ

ID: 14808-60-7

%: 0.0100 - 5.0000	GS: LT-1	RC: None	NANO: No	ROLE: Filler
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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.

ALUMINA TRIHYDRATE

ID: 21645-51-2

%: 0.0100 - 1.0000	GS: BM-2	RC: None	NANO: No	ROLE: Filler
HAZARDS:		AGENCY(IES) WITH WARNINGS:		
RESPIRATORY	AOEC - Asthmagens	Asthmagen (ARs) - sensitizer-induced - inhalable forms only		

SUBSTANCE NOTES: This ingredient 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.

MELAMINE CYANURATE

ID: 37640-57-6

: 0.0100 - 1.0000		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: Adhesive

SILICA, AMORPHOUS

ID: 7631-86-9

%: 0.0100 - 1.0000	GS: LT-P1	RC: None	NANO: No	ROLE: Filler
HAZARDS:		AGENCY(IES) WITH WARNINGS:		
CANCER	Japan - GHS	Carcinogenicity - Category 1A		

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

UNDISCLOSED

?: **0.0100 - 0.3000**

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 and no hazards are reported.

PERLITE (PERLITE)

ID: **93763-70-3**

?: **0.0000 - 10.0000**

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

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		
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CERTIFYING PARTY: Third Party	ISSUE DATE:2016-07-20	EXPIRY DATE: 2018-07-20	CERTIFIER OR LAB: Berkeley Analytical
APPLICABLE FACILITIES:			
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:2016-03-31	EXPIRY DATE: 2020-03-31	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES:			
CERTIFICATE URL: https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/ultima-epd.pdf			
CERTIFICATION AND COMPLIANCE NOTES: Environmental Product Declaration - Product Specific			

OTHER	International Living Future Institute - Ultima AirGuard Declare Label
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+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, 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. Additional Ingredient Information for Specified Substances: (if ingredient is listed in content inventory, include this note in substance notes below ingredient.)

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Armstrong World Industries**

ADDRESS: **2500 Columbia Ave.**

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

GHS SDS

Occupational Safety and Health Administration Material Safety Data Sheet

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.