

CLASSIFICATION: 09510

created via: HPDC Online Builder

PRODUCT DESCRIPTION: InvisAcoustics (TM) ceiling panels provide excellent acoustical absorption while fading into the background of exposed structure spaces. Hidden sound absorption that maintains the integrity of exposed structure designs.

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.

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

ARMSTRONG INVISACOUSTICS [**MINERAL WOOL, BIOINSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT > 18 % BY WEIGHT (MINERAL WOOL, BIOINSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT > 18 % BY WEIGHT)** **LT-UNK** | **CAN PERLITE (PERLITE)** **LT-UNK** | **LIMESTONE; CALCIUM CARBONATE (POST-CONSUMER) (LIMESTONE; CALCIUM CARBONATE (POST-CONSUMER))** **LT-UNK** | **LIMESTONE; CALCIUM CARBONATE (POST-CONSUMER) (LIMESTONE; CALCIUM CARBONATE (POST-CONSUMER))** **LT-UNK** | **CELLULOSE PULP (CELLULOSE PULP)** **NoGS** | **STARCH (STARCH)** **LT-UNK** | **GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED))** **LT-UNK** | **POLYVINYL ACETATE (PVA) (POLYVINYL ACETATE (PVA))** **LT-UNK** | **DIATOMACEOUS EARTH (UNCALCINED) (DIATOMACEOUS EARTH (UNCALCINED))** **LT-P1** | **CAN SILICA, CHRISTOBALITE (SILICA, CHRISTOBALITE)** **LT-1** | **CAN CALCIUM CARBONATE (CALCIUM CARBONATE)** **BM-3** | **TITANIUM DIOXIDE (TITANIUM DIOXIDE)** **LT-1** | **CAN | END POLY(VINYL ALCOHOL) (POLY(VINYL ALCOHOL))** **LT-UNK** | **MELAMINE CYANURATE (MELAMINE CYANURATE)** **BM-1** | **ETHYLENE/ACRYLIC ACID/VA COPOLYMER (ETHYLENE/ACRYLIC ACID/VA COPOLYMER)** **NoGS**]

Number of Greenscreen BM-4/BM3 contents..... 1
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: CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario
Material content migration: ILFI Declare - LBC Compliant - Third Party Verified
LCA: Environmental Product Declaration (EPD) by UL - Industry Generic

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: 2017-10-24

EXPIRY DATE: 2020-09-21

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

ARMSTRONG INVISACOUSTICS

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: For additional information, please visit the Armstrong website.
[www.armstrongceilings.com/InvisAcoustics\(TM\)](http://www.armstrongceilings.com/InvisAcoustics(TM))

MINERAL WOOL, BIOINSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT > 18 % BY WEIGHT (MINERAL WOOL, BIOINSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT > 18 % BY WEIGHT)

ID: 65997-17-3

%: 60.0000 - 80.0000	GS: LT-UNK	RC: Both	NANO: No	ROLE: Core material
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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.

PERLITE (PERLITE)

ID: 93763-70-3

%: 10.0000 - 20.0000	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: None

LIMESTONE; CALCIUM CARBONATE (POST-CONSUMER) (LIMESTONE; CALCIUM CARBONATE (POST-CONSUMER))

ID: 1317-65-3

%: 7.0000 - 10.0000	GS: LT-UNK	RC: Both	NANO: No	ROLE: Filler
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

LIMESTONE; CALCIUM CARBONATE (POST-CONSUMER) (LIMESTONE; CALCIUM CARBONATE (POST-CONSUMER))

ID: 1317-65-3

#: **7.0000 - 10.0000** GS: **LT-UNK** RC: **Both** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

CELLULOSE PULP (CELLULOSE PULP)

ID: 65996-61-4

#: **5.0000 - 10.0000** GS: **NoGS** RC: **Both** NANO: **No** ROLE: **filler and binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

STARCH (STARCH)

ID: 9005-25-8

#: **5.0000 - 10.0000** GS: **LT-UNK** RC: **PostC** NANO: **No** ROLE: **Binder**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED))

ID: 65997-17-3

#: **1.0000 - 5.0000** GS: **LT-UNK** RC: **Both** NANO: **No** ROLE: **Fiber core in facing material**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

POLYVINYL ACETATE (PVA) (POLYVINYL ACETATE (PVA))

ID: 9003-20-7

#: **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

DIATOMACEOUS EARTH (UNCALCINED) (DIATOMACEOUS EARTH (UNCALCINED))

ID: 61790-53-2

#: **0.1000 - 1.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **Filler**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

Japan - GHS

Carcinogenicity - Category 1A

SUBSTANCE NOTES: None

SILICA, CHRISTOBALITE (SILICA, CHRISTOBALITE)

ID: 14464-46-1

#: **0.1000 - 1.0000** 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

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

New Zealand - GHS

6.7A - Known or presumed human carcinogens

CANCER

Japan - GHS

Carcinogenicity - Category 1A

CANCER

Australia - GHS

H350 - May cause cancer

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

CALCIUM CARBONATE (CALCIUM CARBONATE)

ID: 471-34-1

#: **0.1000 - 1.0000** 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

TITANIUM DIOXIDE (TITANIUM DIOXIDE)

ID: 13463-67-7

#: 0.1000 - 1.0000	GS: LT-1	RC: None	NANO: No	ROLE: Pigment
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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	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

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

POLY(VINYL ALCOHOL) (POLY(VINYL ALCOHOL))

ID: 9002-89-5

#: 0.1000 - 1.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: Binder
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: None

MELAMINE CYANURATE (MELAMINE CYANURATE)

ID: 37640-57-6

#: 0.1000 - 1.0000	GS: BM-1	RC: None	NANO: No	ROLE: Adhesive
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HAZARDS:	AGENCY(IES) WITH WARNINGS:	
None Found	No warnings found on HPD Priority lists	

SUBSTANCE NOTES: None

ETHYLENE/ACRYLIC ACID/VA COPOLYMER (ETHYLENE/ACRYLIC ACID/VA COPOLYMER)

ID: 26713-18-8

#: 0.1000 - 1.0000	GS: NoGS	RC: None	NANO: No	ROLE: Adhesive
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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	CDPH Standard Method V1.1 (Section 01350/CHPS) - Classroom & Office scenario		
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2017-10-01	EXPIRY DATE: 2019-10-01	CERTIFIER OR LAB: Berkeley Analytical
APPLICABLE FACILITIES: all			
CERTIFICATE URL: http://www.armstrongceilings.com/commceilingsna/products/ceilings/invisacoustics.com			
CERTIFICATION AND COMPLIANCE NOTES:			

MATERIAL CONTENT MIGRATION	ILFI Declare - LBC Compliant - Third Party Verified		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2017-10-01	EXPIRY DATE: 2018-10-01	CERTIFIER OR LAB: ILFI
APPLICABLE FACILITIES: all			
CERTIFICATE URL: https://www.armstrongceilings.com/commercial/en-us/performance/sustainable-building-design/declare-labels-commercial-ceilings.html			
CERTIFICATION AND COMPLIANCE NOTES: Material disclosure to 100ppm			

LCA	Environmental Product Declaration (EPD) by UL - Industry Generic		
CERTIFYING PARTY: Third Party	ISSUE DATE: 2017-10-11	EXPIRY DATE: 2021-10-11	CERTIFIER OR LAB: UL Environment
APPLICABLE FACILITIES: all			
CERTIFICATE URL: http://www.armstrongceilings.com/commceilingsna/products/ceilings/invisacoustics.com			
CERTIFICATION AND COMPLIANCE NOTES: Product specific EPD			

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 for the intended recipient in connection with its assessment of products. In providing information, AWI expresses no opinion to its applicability, suitability, or completeness of the declaration form or the standards and criteria utilized or referenced therein. Information provided herein is qualified in the entirety by reference to the product Safety Data Sheet (SDS) which can be located at armstrongceilings.com

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Armstrong World Industries**

ADDRESS: **2500 Columbia Avenue
Lancaster PA 17603, USA**

WEBSITE:

http://www.armstrongceilings.com/commceilingsna/products/ceilings/metalworks-blades-classics/_/N-cZ1z1416u?Ntt=metalworks+blades

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	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.