

CLASSIFICATION: 095100

created via: HPDC Online Builder

PRODUCT DESCRIPTION: Durable, aluminum panels with 100% upward accessibility offer excellent sound blocking/absorption options. Panels can be used to create continuous looks or clouds . Standard perforation options allow for acoustical performance and design aesthetics. This HPD covers Aluminum system with Whitelume; Silverlume and Gunmetal paint.

Section 1: Summary

Nested 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

Residuals/Impurities Considered in 2 of 2 Materials

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

ALUMINUM FOR CEILING PANEL SYSTEM [ALUMINUM **LT-P1** | RES | END | PHY ALUMINUM (PYROTECHNICAL POWDER) (ALUMINUM (PYROTECHNICAL POWDER)) **LT-UNK**] COATING FOR METAL CEILING PANELS [TITANIUM DIOXIDE **LT-1** | CAN | END TALC **BM-1** | CAN COPPER CHROMITE BLACK SPINEL **LT-UNK** SILICA GEL **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.*

LCA: Environmental Product Declaration
Material content migration: ILFI Declare - Red List Free - Third Party Verified

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

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

ALUMINUM FOR CEILING PANEL SYSTEM

%: 85.0000 - 95.0000

HPD URL:

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

ALUMINUM

ID: 7429-90-5

%: 85.0000 - 95.0000

GS: LT-P1

RC: Both

NANO: No

ROLE: Base ingredient

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

ENDOCRINE

TEDX - Potential Endocrine Disruptors

Potential Endocrine Disruptor

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H228 - Flammable solid

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H250 - Catches fire spontaneously if exposed to air

PHYSICAL HAZARD (REACTIVE)

EU - GHS (H-Statements)

H261 - In contact with water releases flammable gases

SUBSTANCE NOTES: Base material for ceiling panel

ALUMINUM (PYROTECHNICAL POWDER) (ALUMINUM (PYROTECHNICAL POWDER))

ID: 80341-19-1

%: 0.1000 - 1.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Coating - Pigment

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: Ingredient in base material

COATING FOR METAL CEILING PANELS

%: 1.0000 - 10.0000

HPD URL:

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

TITANIUM DIOXIDE

ID: 13463-67-7

#: 1.0000 - 10.0000	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: Since 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.

TALC

ID: 14807-96-6

#: 0.1000 - 1.0000	GS: BM-1	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: Talc is bound within the coating and not inhalable. It is not in a respirable form in the final product.

COPPER CHROMITE BLACK SPINEL

ID: 68186-91-4

#: 0.0100 - 1.0000	GS: LT-UNK	RC: UNK	NANO: No	ROLE: Pigment
HAZARDS:	AGENCY(IES) WITH WARNINGS:			
None Found	No warnings found on HPD Priority lists			

SUBSTANCE NOTES: Pigment for coating

SILICA GEL

ID: 112926-00-8

#: 0.0100 - 1.0000	GS: LT-UNK	RC: None	NANO: No	ROLE: thickner
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None Found

No warnings found on HPD Priority lists

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.

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.

LCA

Environmental Product Declaration

CERTIFYING PARTY: Third Party

ISSUE

EXPIRY

CERTIFIER OR LAB:

APPLICABLE FACILITIES:

DATE:2013-

DATE:

Institute

CERTIFICATE URL:

11-11

2018-11-

Construction and

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

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Environment

e.V. (IBU)

CERTIFICATION AND COMPLIANCE NOTES: Industry EPD

MATERIAL CONTENT MIGRATION

ILFI Declare - Red List Free - Third Party Verified

CERTIFYING PARTY: Self-declared

ISSUE

EXPIRY

CERTIFIER OR LAB:

APPLICABLE FACILITIES: all

DATE:2017-

DATE:

ILFI

CERTIFICATE URL:

04-01

2018-04-

01

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

CERTIFICATION AND COMPLIANCE NOTES: Red List Free

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.

CEILING SUSPENSION SYSTEM

HPD URL: **No HPD link provided**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Please visit the product website for more information on compatible suspension systems.

<https://www.armstrongceilings.com/commercial/en-us/commercial-ceilings-walls/metalworks-tegular-ceiling-tiles.html>

Section 5: General Notes

Please refer to the Armstrong Commercial Ceilings website for more information on this product.

<https://www.armstrongceilings.com/commercial/en-us/commercial-ceilings-walls/metalworks-tegular-ceiling-tiles.html> 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 by AWI herein is qualified in the entirety by reference to the product Safety Data Sheet (SDS), which can be located at www.armstrongceilings.com.

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@armstrong.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

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.