

HPD UNIQUE IDENTIFIER: 21719

CLASSIFICATION: 09 53 00 Acoustical Ceiling Suspension Assemblies

PRODUCT DESCRIPTION: MetalWorks Snap-in offers a clean, monolithic, concealed appearance combined with a low-cost concealed suspension solution. These downward accessible panels can be installed in a lower clearance plenum (as low as 2") when MPT snap bar is attached directly to the deck. Standard Finishes included in this label are Whitelume, Siliverlume, Gunmetal. MetalWorks Clip-on can quickly and easily transform any space with an existing 15/16" suspension system. A great choice for renovations, MetalWorks Clip-on panels are downward accessible and available in 24" x 24" and 24" x 48" standard sizes. Standard Finishes included in this label are Whitelume, Siliverlume, Gunmetal. Maximize design impact with MetalWorks 3D ceilings. 3D is the industry's only 2' x 2' metal ceiling with an 8" dimensional difference. Panels are available in five different heights (0"-4") and can be installed up or down. Choose from two perforation options. Panels install on a standard 9/16" exposed tee grid system. Standard Finishes included in this label are Whitelume, Siliverlume, Gunmetal. MetalWorks Torsion Spring large size panels provide a lightweight, monolithic visual with 100% downward accessibility. Standard Finishes included in this label are Whitelume, Siliverlume, Gunmetal. Note: Label is for M1 nonperforated options.

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
 Other

Residuals/Impurities

- Considered
 Partially Considered
 Not Considered

All Substances Above the Threshold Indicated Are:

Characterized

% weight and role provided for all substances.

- Yes Ex/SC Yes No

Screened

All substances screened using Priority Hazard Lists with results disclosed.

- Yes Ex/SC Yes No

Identified

All substances disclosed by Name (Specific or Generic) and Identifier.

- Yes Ex/SC Yes No

Threshold Disclosed Per

- Material
 Product

Explanation(s) provided for Residuals/Impurities?

- Yes No

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 METAL WORKS™ SNAP IN, CLIP ON, 3D, TORSION SPRING(&SHAPES), BLADES CLASSICS, DESIGNFLEX™ [ALUMINUM BM-1 | END | PHY | RES TITANIUM DIOXIDE LT-1 | CAN | END TALC BM-1 | CAN C.I. PIGMENT BLACK 28 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 100ppm.

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: ClearChem Standard BkA-CC-01.3 Other: International Living Future Institute - Metalworks Declare Label LCA: Environmental Product Declaration for Metalworks

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: 2020-09-15

PUBLISHED DATE: 2020-09-15

EXPIRY DATE: 2023-09-15

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

ARMSTRONG METAL WORKS™ SNAP IN, CLIP ON, 3D, TORSION SPRING(&SHAPES), BLADES CLASSICS, DESIGNFLEX™

PRODUCT THRESHOLD: 100 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: Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.

ALUMINUM

ID: 7429-90-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-15**

%: 85.0000 - 95.0000	GS: BM-1	RC: Both	NANO: No	SUBSTANCE ROLE: Structure component
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
ENDOCRINE	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
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
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Aluminum base material

TITANIUM DIOXIDE

ID: 13463-67-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-15**

%: 1.0000 - 10.0000	GS: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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HAZARD TYPE	AGENCY AND LIST TITLES	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
CANCER	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

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.

TALC

ID: 14807-96-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-15**

%: 0.1000 - 1.0000	GS: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Filler
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
CANCER	IARC	Group 2b - Possibly carcinogenic to humans

SUBSTANCE NOTES: Filler

C.I. PIGMENT BLACK 28

ID: 68186-91-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-15**

%: 0.0100 - 0.1000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Pigment

SILICA GEL

ID: 112926-00-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-09-15**

%: 0.0100 - 0.1000	GS: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Thickner

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

ClearChem Standard BkA-CC-01.3

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-10-18**

EXPIRY DATE: **2025-10-18**

CERTIFIER OR LAB: **Berkeley Analytical**

APPLICABLE FACILITIES: **all**

CERTIFICATE URL:

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

CERTIFICATION AND COMPLIANCE NOTES: **Family specific**

OTHER

International Living Future Institute - Metalworks Declare Label

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2020-06-01**

EXPIRY DATE: **2021-06-01**

CERTIFIER OR LAB: **ILFI**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

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

CERTIFICATION AND COMPLIANCE NOTES: **Red List Free**

LCA

Environmental Product Declaration for Metalworks

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2020-04-01**

EXPIRY DATE: **2025-04-01**

CERTIFIER OR LAB: **UL Environment**

APPLICABLE FACILITIES: **All**

CERTIFICATE URL:

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

CERTIFICATION AND COMPLIANCE NOTES: **Industry Wide**

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

MANUFACTURER INFORMATION

MANUFACTURER: **Armstrong World Industries**
 ADDRESS: **2500 Columbia Avenue**
Lancaster PA 17603, USA
 WEBSITE: **www.armstrongceilings.com**

CONTACT NAME: **Anita Snader**
 TITLE: **Sustainability Manager**
 PHONE: **1-877-276-7876**
 EMAIL: **techline@armstrongceilings.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.