

CLASSIFICATION: 095100

created via: HPDC Online Builder

PRODUCT DESCRIPTION: This absorptive ceiling panel provides outstanding acoustical performance for open plan areas. It meets USDA/FSIS guidelines for use in food preparation/kitchens, and Clean Room assemblies. Offers a smooth, clean, durable finish –Impact-resistant, Scratch-resistant, and Soil-resistant; Long-lasting water-repellency; Washable and Scrubbable.

## 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

OPTIMA PB HEALTHZONE CEILING PANELS [ FIBERGLASS, BIOSOLUBLE AND/OR WITH ALKALINE OXIDE AND ALKALI EARTH OXIDE CONTENT ≤18 % BY WEIGHT **LT-UNK** LIMESTONE **LT-UNK** STARCH, POLYMER WITH 2-PROPENOIC ACID, GRAFT, SODIUM SALT (STARCH, POLYMER WITH 2-PROPENOIC ACID, GRAFT, SODIUM SALT) **NoGS** DOLOMITE **NoGS** CALCIUM CARBONATE **BM-3** POLYVINYL ACETATE **LT-UNK** TITANIUM DIOXIDE **LT-1** | CAN | END POLY(VINYL ALCOHOL) **LT-UNK** ALUMINA TRIHYDRATE **BM-2** | RES MODIFIED VEGETABLE OIL **NoGS** UNDISCLOSED **BM-2** | RES PLASTICIZER **LT-P1** | MUL DIATAMACEOUS EARTH **LT-UNK** MICA **LT-UNK** POLY(METHYLHYDROSILOXANE) **NoGS** ]

Number of Greenscreen BM-4/BM3 contents..... 1  
Contents highest concern GreenScreen Benchmark or List translator Score..... LT-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: VOC Emission Test Certificate for Optima PB Healthzone  
LCA: Environmental Product Declaration for Optima PB Healthzone  
Other: Declare Label for Optima PB Healthzone

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared  
VERIFIER:  
VERIFICATION #:

SCREENING DATE: 2017-09-25  
PUBLISHED DATE: 2017-10-02  
EXPIRY DATE: 2020-09-25

## 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### OPTIMA PB HEALTHZONE CEILING 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

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

ID: 65997-17-3

#: 68.0000 - 75.0000 GS: LT-UNK RC: Both NANO: No ROLE: Core material and Scrim

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

#### LIMESTONE

ID: 1317-65-3

#: 6.0000 - 10.0000 GS: LT-UNK RC: None NANO: No ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

#### STARCH, POLYMER WITH 2-PROPENOIC ACID, GRAFT, SODIUM SALT (STARCH, POLYMER WITH 2-PROPENOIC ACID, GRAFT, SODIUM SALT)

ID: 60323-79-7

#: 5.0000 - 10.0000 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

#### DOLOMITE

ID: 16389-88-1

#: **2.0000 - 5.0000**

GS: **NoGS**

RC: **None**

NANO: **No**

ROLE: **Coating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **None**

**CALCIUM CARBONATE**

ID: **471-34-1**

#: **2.0000 - 4.0000**

GS: **BM-3**

RC: **None**

NANO: **No**

ROLE: **Coating**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **None**

**POLYVINYL ACETATE**

ID: **9003-20-7**

#: **1.0000 - 3.0000**

GS: **LT-UNK**

RC: **None**

NANO: **No**

ROLE: **Adhesive**

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: **None**

**TITANIUM DIOXIDE**

ID: **13463-67-7**

#: **1.0000 - 3.0000**

GS: **LT-1**

RC: **None**

NANO: **No**

ROLE: **Coating**

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: 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.

**POLY(VINYL ALCOHOL)**

ID: **9002-89-5**

%: 1.0000 - 3.0000

GS: LT-UNK

RC: None

NANO: No

ROLE: Scro,

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

**ALUMINA TRIHYDRATE**

ID: 21645-51-2

%: 0.5000 - 1.0000

GS: BM-2

RC: None

NANO: No

ROLE: Coating

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

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

SUBSTANCE NOTES: This ingredient is not found in a reparable form in this product.

**MODIFIED VEGETABLE OIL**

ID: 68918-91-2

%: 0.5000 - 5.0000

GS: NoGS

RC: None

NANO: No

ROLE: Board

HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

**UNDISCLOSED**

%: 0.2000 - 0.7500

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: None

**PLASTICIZER**

ID: 27138-31-4

%: 0.1000 - 1.0000

GS: LT-P1

RC: None

NANO: No

ROLE: Adhesive

HAZARDS:

AGENCY(IES) WITH WARNINGS:

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: None

**DIATAMACEOUS EARTH**

ID: 68855-54-9

%: <b>0.1000 - 1.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Coating</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

**MICA**

ID: 12001-26-2

%: <b>0.1000 - 1.0000</b>	GS: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Coating</b>
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HAZARDS:

AGENCY(IES) WITH WARNINGS:

None Found

No warnings found on HPD Priority lists

SUBSTANCE NOTES: None

**POLY(METHYLHYDROSILOXANE)**

ID: 63148-57-2

%: <b>0.1000 - 0.2000</b>	GS: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	ROLE: <b>Board</b>
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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** **VOC Emission Test Certificate for Optima PB Healthzone**

CERTIFYING PARTY: <b>Third Party</b>	ISSUE DATE: <b>2016-07-20</b>	EXPIRY DATE: <b>2018-07-20</b>	CERTIFIER OR LAB: <b>Berkeley Analytical</b>
APPLICABLE FACILITIES: <b>all</b>			
CERTIFICATE URL: <a href="https://www.armstrongceilings.com/pdbupimages-clg/201064.pdf/download/voc-certificate-of-compliance-optima.pdf">https://www.armstrongceilings.com/pdbupimages-clg/201064.pdf/download/voc-certificate-of-compliance-optima.pdf</a>			

CERTIFICATION AND COMPLIANCE NOTES:

**LCA** **Environmental Product Declaration for Optima PB Healthzone**

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: All  
CERTIFICATE URL:  
<https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/optima-epd.pdf>

ISSUE DATE: 2016-03-31	EXPIRY DATE: 2020-03-31	CERTIFIER OR LAB: UL Environment
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CERTIFICATION AND COMPLIANCE NOTES: Environmental Product Declaration for Optima PB Healthzone

## OTHER Declare Label for Optima PB Heathzone

CERTIFYING PARTY: Third Party  
APPLICABLE FACILITIES: All  
CERTIFICATE URL: <https://access.living-future.org/optima%C2%AE-pb-ceiling-panels>

ISSUE DATE: 2017-04-01	EXPIRY DATE: 2018-04-01	CERTIFIER OR LAB: ILFI
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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/commercial-ceilings-walls/optima-health-zone-ceiling-tiles.html>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Armstrong ceiling panels can be installed 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](http://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:

CONTACT NAME: **Armstrong Technical Services**  
TITLE: **Techline**  
PHONE: **1-877-276-7876**  
EMAIL: **techline@armstrongceilings.com**

## KEY

<b>OSHA MSDS</b>	Occupational Safety and Health Administration Material Safety Data Sheet
<b>GHS SDS</b>	Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

## Hazard Types

<b>AQU</b> Aquatic toxicity	<b>GLO</b> Global warming	<b>PHY</b> Physical Hazard (reactive)
<b>CAN</b> Cancer	<b>MAM</b> Mammalian/systemic/organ toxicity	<b>REP</b> Reproductive toxicity
<b>DEV</b> Developmental toxicity	<b>MUL</b> Multiple hazards	<b>RES</b> Respiratory sensitization
<b>END</b> Endocrine activity	<b>NEU</b> Neurotoxicity	<b>SKI</b> Skin sensitization/irritation/corrosivity
<b>EYE</b> Eye irritation/corrosivity	<b>OZO</b> Ozone depletion	<b>LAN</b> Land Toxicity
<b>GEN</b> Gene mutation	<b>PBT</b> Persistent Bioaccumulative Toxic	<b>NF</b> Not found on Priority Hazard Lists

## GreenScreen (GS)

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible Benchmark 1
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator Likely Benchmark 1
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> Unknown (no data on List Translator Lists)
<b>BM-U</b> Benchmark Unspecified (insufficient data to benchmark)	

## Recycled Types

<b>PreC</b> Preconsumer (Post-Industrial)
<b>PostC</b> Postconsumer
<b>Both</b> Both Preconsumer and Postconsumer
<b>Unk</b> Inclusion of recycled content is unknown
<b>None</b> 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

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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.