Armstrong Pueblo(TM) Ceiling Panels by Armstrong World Industries

Health Product Declaration v2.2
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 21069
CLASSIFICATION: Acoustical Mineral Fiber Ceilings
PRODUCT DESCRIPTION: Smooth mineral fiber ceiling panel with excellent sound absorption for open plan spaces.

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
- Other

Residuals/Impurities
- Considered
- Partially Considered
- Not Considered

All Substances Above the Threshold Indicated Are:

Charactertized
- Yes Ex/SC
- Yes
- No
% weight and role provided for all substances.

Screened
- Yes Ex/SC
- Yes
- No
All substances screened using Priority Hazard Lists with results disclosed.

Identified
- Yes Ex/SC
- Yes
- No
All substances disclosed by Name (Specific or Generic) and Identifier.

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 PUEBLO(TM) CEILING PANELS | MINERAL WOOL LT-UNK | | | |
PERLITE | NGS | | | |
CLAY LT-UNK | CAN FIBERGLASS | LT-UNK POLYVINYL ACETATE LT-UNK | | |
POLYVINYL ALCOHOL LT-UNK | PLASTICIZER LT-PI | MUL DIATOMACEOUS EARTH LT-UNK | SILICA LT-1 | CAN CALCIUM CARBONATE BM-3 | KAOLIN LT-UNK | FATTY OIL NGS | TITANIUM DIOXIDE LT-1 | CAN | END QUARTZ LT-1 | CAN STARCH LT-UNK | SILISIC SALT LT-UNK | CITRIC ACID LT-UNK | POLYETHYLENE GLYCOL LT-UNK | PENTANEDIOL LT-UNK | CAN CELLULOSE LT-UNK | RES |

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: UL/GreenGuard Gold Certified
Other: ILFI Declare - Red List Free - Third Party Verified
LCA: Environmental Product Declaration (EPD) by UL

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

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PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #:
SCREENING DATE: 2020-07-16
PUBLISHED DATE: 2020-07-20
EXPIRY DATE: 2023-07-16
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](http://www.hpd-collaborative.org/hpd-2-2-standard)

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**ARMSTRONG PUEBLO(TM) CEILING PANELS**

**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 100ppm.

**OTHER PRODUCT NOTES:** More information on Pueblo can be found at [www.armstrongceilings.com/pueblo](http://www.armstrongceilings.com/pueblo)

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**MINERAL WOOL**

**ID:** 65997-17-3

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-16

**%:** 60.0000 - 65.0000

**GS:** LT-UNK

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Filler

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found

**SUBSTANCE NOTES:** Base material

---

**PERLITE**

**ID:** 130885-09-5

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-16

**%:** 10.0000 - 15.0000

**GS:** NoGS

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Filler

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found

**SUBSTANCE NOTES:** Filler for base material

---

**CORN STARCH**

**ID:** 9005-25-8

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-16

**%:** 5.0000 - 10.0000

**GS:** LT-UNK

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Binder

**HAZARD TYPE**

**AGENCY AND LIST TITLES**

**WARNINGS**

None found

**SUBSTANCE NOTES:** Base material

---
### Calcium Carbonate

- **ID:** 1317-65-3
- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-16
- **%:** 5.0000 - 10.0000
- **GS:** LT-UNK
- **RC:** None
- **NANO:** No
- **SUBSTANCE ROLE:** Filler

**HAZARD TYPE:** None found

**AGENCY AND LIST TITLES:** No warnings found on HPD Priority Hazard Lists

**WARNINGS:** In this product, it is not a registered pesticide under FIFRA. It is not a registered persistent material.

### Clay

- **ID:** 1332-58-7
- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-16
- **%:** 5.0000 - 10.0000
- **GS:** LT-UNK
- **RC:** None
- **NANO:** No
- **SUBSTANCE ROLE:** Filler

**CANCER**

**MAK**

**WARNINGS:** Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:** In this product it is not regulated as a hazardous substance.

### Fiberglass

- **ID:** 65997-17-3
- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-16
- **%:** 0.0000 - 5.0000
- **GS:** LT-UNK
- **RC:** None
- **NANO:** No
- **SUBSTANCE ROLE:** Structure component

**HAZARD TYPE:** None found

**AGENCY AND LIST TITLES:** No warnings found on HPD Priority Hazard Lists

**WARNINGS:** Material for veil layer

### Polyvinyl Acetate

- **ID:** 9003-20-7
- **HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library
- **HAZARD SCREENING DATE:** 2020-07-16
- **%:** 0.0000 - 5.0000
- **GS:** LT-UNK
- **RC:** None
- **NANO:** No
- **SUBSTANCE ROLE:** Adhesive

**HAZARD TYPE:** None found

**AGENCY AND LIST TITLES:** No warnings found on HPD Priority Hazard Lists

**WARNINGS:** Adhesive
POLYVINYL ALCOHOL

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-16

%: 0.0000 - 1.0000
GS: LT-UNK
RC: None
NANO: No
SUBSTANCE ROLE: Binder

None found

SUBSTANCE NOTES: binder

PLASTICIZER

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-16

%: 0.0000 - 1.0000
GS: LT-P1
RC: None
NANO: No
SUBSTANCE ROLE: Adhesive

MULTIPLE
German FEA - Substances Hazardous to Waters
Class 2 - Hazard to Waters

SUBSTANCE NOTES: adhesive

DIATOMACEOUS EARTH

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-16

%: 0.0000 - 1.0000
GS: LT-UNK
RC: None
NANO: No
SUBSTANCE ROLE: Filler

None found

SUBSTANCE NOTES: Filler

SILICA

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library
HAZARD SCREENING DATE: 2020-07-16

%: 0.0000 - 1.0000
GS: LT-1
RC: None
NANO: No
SUBSTANCE ROLE: Filler
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<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
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<tr>
<td>CANCER</td>
<td>US CDC - Occupational Carcinogens</td>
<td>Occupational Carcinogen</td>
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<tr>
<td>CANCER</td>
<td>CA EPA - Prop 65</td>
<td>Carcinogen - specific to chemical form or exposure route</td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources</td>
</tr>
<tr>
<td>CANCER</td>
<td>US NIH - Report on Carcinogens</td>
<td>Known to be Human Carcinogen (respirable size - occupational setting)</td>
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<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 1 - Substances that cause cancer in man</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - New Zealand</td>
<td>6.7A - Known or presumed human carcinogens</td>
</tr>
<tr>
<td>CANCER</td>
<td>GHS - Japan</td>
<td>Carcinogenicity - Category 1A [H350]</td>
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<tr>
<td>CANCER</td>
<td>GHS - Australia</td>
<td>H350i - May cause cancer by inhalation</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** Filler

---

**CALCIUM CARBONATE**

**ID:** 471-34-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-16

**%:** 0.0000 - 1.0000

**GS:** BM-3

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Pigment

None found

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** In this product it is not regulated as a hazardous substance.

---

**KAOLIN**

**ID:** 92704-41-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-16

**%:** 0.0000 - 1.0000

**GS:** LT-UNK

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Filler

None found

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Filler

---

**FATTY OIL**

**ID:** 68604-67-1

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library

**HAZARD SCREENING DATE:** 2020-07-16

**%:** 0.0000 - 1.0000

**GS:** NoGS

**RC:** None

**NANO:** No

**SUBSTANCE ROLE:** Filler

Armstrong Pueblo(TM) Ceiling Panels hpdrepository.hpd-collaborative.org HPD v2.2 created via HPDC Builder Page 5 of 12
### TITANIUM DIOXIDE

**ID:** 13463-67-7  

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-16

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<td>0.0000 - 1.0000</td>
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**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

- **CANCER**  
  - **US CDC - Occupational Carcinogens:** Occupational Carcinogen  
  - **CA EPA - Prop 65:** Carcinogen - specific to chemical form or exposure route  
  - **IARC:** Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

- **ENDOCRINE**  
  - **TEDX - Potential Endocrine Disruptors:** Potential Endocrine Disruptor  
  - **MAK:** Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value  
  - **MAK:** Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

**SUBSTANCE NOTES:** It is bound by the adhesives within the coating. It is not in a respirable form in the final product. Accordingly, it is excluded regulatory hazards list.

### QUARTZ

**ID:** 14808-60-7  

**HAZARD SCREENING METHOD:** Pharos Chemical and Materials Library  
**HAZARD SCREENING DATE:** 2020-07-16

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<td>LT-1</td>
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**HAZARD TYPE**  
**AGENCY AND LIST TITLES**  
**WARNINGS**

- **CANCER**  
  - **US CDC - Occupational Carcinogens:** Occupational Carcinogen  
  - **CA EPA - Prop 65:** Carcinogen - specific to chemical form or exposure route  
  - **IARC:** Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources

- **ENDOCRINE**  
  - **TEDX - Potential Endocrine Disruptors:** Potential Endocrine Disruptor  
  - **MAK:** Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value  
  - **MAK:** Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

**SUBSTANCE NOTES:** It is bound by the adhesives within the coating. It is not in a respirable form in the final product. Accordingly, it is excluded regulatory hazards list.
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<th>Substance</th>
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<td>SILISIC SALT</td>
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</table>

**SUBSTANCE NOTES:**
- Starch: It is bound by the adhesives within the coating. It is not in a respirable form in the final product. Accordingly, it is excluded from regulatory hazards list.
- Silicic Salt: Filler
- Citric Acid: Binder

**Hazard Types and Agencies:**
- CANCER
  - IARC
  - US CDC - Occupational Carcinogens
  - CA EPA - Prop 65
  - IARC
  - US NIH - Report on Carcinogens
  - MAK
  - GHS - New Zealand
  - GHS - Japan
  - GHS - Australia

**Warnings:**
- Group 1 - Agent is Carcinogenic to humans
- Occupational Carcinogen
- Carcinogen - specific to chemical form or exposure route
- Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
- Known to be Human Carcinogen (respirable size - occupational setting)
- Carcinogen Group 1 - Substances that cause cancer in man
- 6.7A - Known or presumed human carcinogens
- Carcinogenicity - Category 1A [H350]
- H350i - May cause cancer by inhalation

**Substance Role:**
- Binder
- Filler
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<td>Asthmagens (Rs) - sensitizer-induced</td>
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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

UL/GreenGuard Gold Certified

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<td>CERTIFIER OR LAB:</td>
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CERTIFICATION AND COMPLIANCE NOTES: UL GreenGuard Gold

OTHER

ILFI Declare - Red List Free - Third Party Verified

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CERTIFICATION AND COMPLIANCE NOTES:

LCA

Environmental Product Declaration (EPD) by UL

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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 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.
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
- CAN Cancer
- DEV Developmental toxicity
- END Endocrine activity
- EYE Eye irritation/corrosivity
- GEN Gene mutation
- GLO Global warming
- LAN Land toxicity
- MAM Mammalian/systemic/organ toxicity
- MUL Multiple
- NEU Neurotoxicity
- NF Not found on Priority Hazard Lists
- OZO Ozone depletion
- PBT Persistent, bioaccumulative, and toxic
- PHY Physical hazard (flammable or reactive)
- REP Reproductive
- RES Respiratory sensitization
- SKI Skin sensitization/irritation/corrosivity
- UNK Unknown

**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 (due to insufficient data)
- LT-P1 List Translator Possible 1 (Possiible Benchmark-1)
- LT-1 List Translator 1 (Likely Benchmark-1)
- 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.)
- NoGS No GreenScreen.

**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