Armstrong Ceilings Fine Fissured High NRC
by Armstrong World Industries

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

HPD UNIQUE IDENTIFIER: 20861
CLASSIFICATION: Acoustical Ceilings 09
PRODUCT DESCRIPTION: This economical, non-directional panel is available in standard and high-acoustical absorption options.

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:
- Characterized
- Screened
- Identified

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
ARMSTRONG CEILINGS FINE FISSURED HIGH NRC | MINERAL WOOL LT-UNK | PERLITE LT-UNK | CORN STARCH LT-UNK | CLAY LT-UNK | CAN POLYCARBOXYLIC SALT NoGS | POLYVINYLACETATE LT-UNK | CALCIUM CARBONATE BM-3 | KAOLIN LT-UNK

Number of Greenscreen BM-4/BM3 contents ... 1
Contents highest concern GreenScreen Benchmark or List translator Score ... LT-UNK
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: UL/GreenGuard Gold Certified

CONSISTENCY WITH OTHER PROGRAMS
Pre-checked for LEED v4 Material Ingredients, Option 1 and Option 2
**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 2.1.1, available on the HPDC website at: [www.hpd-collaborative.org/hpd-2-1-1-standard](http://www.hpd-collaborative.org/hpd-2-1-1-standard)

### ARMSTRONG CEILINGS FINE FISSIONED HIGH NRC

**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:** For more information on Fine Fissured High NRC visit [https://www.armstrongceilings.com/commercial/en-us/commercial-ceilings-walls/fine-fissured-high-nrc-ceiling-tiles.html#redirect_term=FINE+FISSURED+High+NRC](https://www.armstrongceilings.com/commercial/en-us/commercial-ceilings-walls/fine-fissured-high-nrc-ceiling-tiles.html#redirect_term=FINE+FISSURED+High+NRC)

### MINERAL WOOL

**ID:** 65997-17-3

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

**HAZARD SCREENING DATE:** 2020-06-29

<table>
<thead>
<tr>
<th>%:</th>
<th>60.0000 - 65.0000</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Filler</th>
</tr>
</thead>
</table>

**HAZARD TYPE**

None found

**AGENCY AND LIST TITLES**

No warnings found on HPD Priority Hazard Lists

**WARNINGS**

SUBSTANCE NOTES: base material

### PELLIT

**ID:** 130885-09-5

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

**HAZARD SCREENING DATE:** 2020-06-29

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<tr>
<th>%:</th>
<th>10.0000 - 15.0000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Filler</th>
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</thead>
</table>

**HAZARD TYPE**

None found

**AGENCY AND LIST TITLES**

No warnings found on HPD Priority Hazard Lists

**WARNINGS**

SUBSTANCE NOTES: Filler for acoustical performance

### CORN STARCH

**ID:** 9005-25-8

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

**HAZARD SCREENING DATE:** 2020-06-29

<table>
<thead>
<tr>
<th>%:</th>
<th>5.0000 - 10.0000</th>
<th>GS: LT-UNK</th>
<th>RC: Both</th>
<th>NANO: No</th>
<th>SUBSTANCE ROLE: Binder</th>
</tr>
</thead>
</table>

**HAZARD TYPE**

None found

**AGENCY AND LIST TITLES**

No warnings found on HPD Priority Hazard Lists

**WARNINGS**

SUBSTANCE NOTES: Binder
CLAY

**ID:** 1332-58-7

<table>
<thead>
<tr>
<th>Substance</th>
<th>Notes</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
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<tbody>
<tr>
<td>Clay</td>
<td>Binder</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-29</td>
<td>5.0000 - 10.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
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</tbody>
</table>

**WARNINGS**

**CANCER**

MAK - Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

**SUBSTANCE NOTES:** Binder

CALCIUM CARBONATE

**ID:** 1317-65-3

<table>
<thead>
<tr>
<th>Substance</th>
<th>Notes</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
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<tr>
<td>Calcium Carbonate</td>
<td>Filler</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-29</td>
<td>0.0000 - 5.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

**WARNINGS**

**RESPIRATORY**

AOEC - Asthmagens - Asthmagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** Filler

CELLULOSE

**ID:** 9004-34-6

<table>
<thead>
<tr>
<th>Substance</th>
<th>Notes</th>
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<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
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<tr>
<td>Cellulose</td>
<td>Binder</td>
<td>Pharos Chemical and Materials Library</td>
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<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
</tbody>
</table>

**WARNINGS**

**RESPIRATORY**

AOEC - Asthmagens - Asthmagen (Rs) - sensitizer-induced

**SUBSTANCE NOTES:** Binder

POLYCARBOXYLIC SALT

**ID:** 68424-16-8

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<th>Notes</th>
<th>HAZARD SCREENING METHOD</th>
<th>HAZARD SCREENING DATE</th>
<th>%:</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>SUBSTANCE ROLE</th>
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<tr>
<td>Polycarboxylic Salt</td>
<td>Surfactant</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-29</td>
<td>0.0000 - 5.0000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Surfactant</td>
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</tbody>
</table>

**WARNINGS**

No warnings found on HPD Priority Hazard Lists

**SUBSTANCE NOTES:** Surfactant
<table>
<thead>
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<th>Substance</th>
<th>ID</th>
<th>Hazard Screening Method</th>
<th>Hazard Screening Date</th>
<th>%</th>
<th>GS</th>
<th>RC</th>
<th>NANO</th>
<th>Substance Role</th>
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<td>Polyvinyl Acetate</td>
<td>9003-20-7</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-29</td>
<td>0.0000 - 1.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>471-34-1</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-29</td>
<td>0.0000 - 1.0000</td>
<td>BM-3</td>
<td>None</td>
<td>No</td>
<td>Pigment</td>
</tr>
<tr>
<td>Kaolin</td>
<td>92704-41-1</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-06-29</td>
<td>0.0000 - 0.1000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
</tr>
</tbody>
</table>

Substance Notes:
- Surfactant
- Binder
- Pigment
- Filler

No warnings found on HPD Priority Hazard Lists.
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

| CERTIFYING PARTY: | Third Party |
| APPLICABLE FACILITIES: | all |
| CERTIFICATE URL: | https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/certificates/fine-fissured-greenguard-certificate.pdf |
| ISSUE DATE: | 2018-04-16 |
| EXPIRY DATE: | 2020-08-02 |
| CERTIFIER OR LAB: | UL Environment |

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.

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 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

MANUFACTURER INFORMATION

MANUFACTURER: Armstrong World Industries
ADDRESS: 2500 Columbia Avenue
Building 5B
Lancaster PA 17603, United States
WEBSITE: https://www.armstrongceilings.com/commercial/en-us/commercial-ceilings-walls/fine-fissured-high-nrc-ceiling-tiles.html#redirect_term=FINE+FISSURED+High+NRC

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 (Possible 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
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.