Armstrong Suspension Systems Drywall Grid System
by Armstrong World Industries

HPD UNIQUE IDENTIFIER: 21785
CLASSIFICATION: 09 53 00 Acoustical Ceiling Suspension Assemblies
PRODUCT DESCRIPTION: Pre-engineered drywall ceiling suspension systems that are three times faster to install than traditional track and channel framing. Pre-notched main beams simplify curved drywall installations and help make easy work of complicated drywall designs.

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
- 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
DRYWALL GRID SYSTEM | STEEL | NoGS |

Number of Greenscreen BM-4/BM3 contents ... 0
Contents highest concern GreenScreen Benchmark or List translator Score ... 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: None
LCA: Environmental Product Declaration for Drywall Grid System
Other: Declare Label for Drywall Grid System

CONSISTENCY WITH OTHER PROGRAMS
Pre-checked for LEED v4 Material Ingredients Option 1 and Option 2

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:
SCREENING DATE: 2020-09-22
PUBLISHED DATE: 2020-09-22
EXPIRY DATE: 2023-09-22
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

<table>
<thead>
<tr>
<th>DRYWALL GRID SYSTEM</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT THRESHOLD:</strong></td>
<td>100 ppm</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES CONSIDERED:</strong></td>
<td>Yes</td>
</tr>
<tr>
<td><strong>RESIDUALS AND IMPURITIES NOTES:</strong></td>
<td>Residuals/impurities in select raw materials are quantitatively measured, and are displayed in the HPD when greater than 1000ppm.</td>
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<tr>
<td><strong>OTHER PRODUCT NOTES:</strong></td>
<td>Residuals / impurities in select raw materials are quantitatively measured and are displayed in the HPD when greater than 1000ppm.</td>
</tr>
</tbody>
</table>

| STEEL |
|---------------------|----------------|
| **ID:** | 12597-69-2 |
| **HAZARD SCREENING METHOD:** | Pharos Chemical and Materials Library |
| **HAZARD SCREENING DATE:** | 2020-09-22 |
| **%:** | 100.0000 - 100.0000 |
| **GS:** | NoGS |
| **RC:** | Both |
| **NANO:** | No |
| **SUBSTANCE ROLE:** | Structure component |
| **HAZARD TYPE** | AGENCY AND LIST TITLES | WARNINGS |
| None found | No warnings found on HPD Priority Hazard Lists |

**SUBSTANCE NOTES:** Residuals/impurities in select raw materials are quantitatively measured, and are displayed in the HPD when greater than 100ppm.
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**

None

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Self-declared</th>
<th>ISSUE DATE:</th>
<th>2019-07-25</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>all</td>
<td>CERTIFIER OR LAB:</td>
<td>None</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES: Inherently nonemitting sources. Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solid wood) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants.

**LCA**

Environmental Product Declaration for Drywall Grid System

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
<th>ISSUE DATE:</th>
<th>2016-03-31</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
<td>EXPIRY DATE:</td>
<td>2020-03-31</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/drywall-grid-epd.pdf">https://www.armstrongceilings.com/content/dam/armstrongceilings/commercial/north-america/epds/drywall-grid-epd.pdf</a></td>
<td>CERTIFIER OR LAB:</td>
<td>UL Environment</td>
</tr>
</tbody>
</table>

CERTIFICATION AND COMPLIANCE NOTES:

**OTHER**

Declare Label for Drywall Grid System

<table>
<thead>
<tr>
<th>CERTIFYING PARTY:</th>
<th>Third Party</th>
<th>ISSUE DATE:</th>
<th>2017-04-01</th>
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<tr>
<td>APPLICABLE FACILITIES:</td>
<td>All</td>
<td>EXPIRY DATE:</td>
<td>2018-04-01</td>
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<tr>
<td>CERTIFICATE URL:</td>
<td><a href="https://access.living-future.org/suspension-systems-%E2%80%93-drywall-grid-systems">https://access.living-future.org/suspension-systems-%E2%80%93-drywall-grid-systems</a></td>
<td>CERTIFIER OR LAB:</td>
<td>ILFI</td>
</tr>
</tbody>
</table>

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 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

<table>
<thead>
<tr>
<th>Hazard Types</th>
<th>GreenScreen (GS)</th>
<th>Recycled Types</th>
<th>Other Terms:</th>
</tr>
</thead>
<tbody>
<tr>
<td>AQU Aquatic toxicity</td>
<td>BM-4 Benchmark 4 (prefer-safer chemical)</td>
<td>PreC Pre-consumer recycled content</td>
<td>GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet</td>
</tr>
<tr>
<td>CAN Cancer</td>
<td>BM-3 Benchmark 3 (use but still opportunity for improvement)</td>
<td>PostC Post-consumer recycled content</td>
<td>Inventory Methods:</td>
</tr>
<tr>
<td>DEV Developmental toxicity</td>
<td>BM-2 Benchmark 2 (use but search for safer substitutes)</td>
<td>UNK Inclusion of recycled content is unknown</td>
<td>Nested Method / Material Threshold Substances listed within each material per threshold indicated per material</td>
</tr>
<tr>
<td>END Endocrine activity</td>
<td>BM-1 Benchmark 1 (avoid - chemical of high concern)</td>
<td>None Does not include recycled content</td>
<td>Nested Method / Product Threshold Substances listed within each material per threshold indicated per product</td>
</tr>
<tr>
<td>EYE Eye irritation/corrosivity</td>
<td>BM-U Benchmark Unspecified (due to insufficient data)</td>
<td>Other Terms:</td>
<td>Basic Method / Product Threshold Substances listed individually per threshold indicated per product</td>
</tr>
<tr>
<td>GEN Gene mutation</td>
<td>LT-P1 List Translator Possible 1 (Possible Benchmark-1)</td>
<td>GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet</td>
<td>Nano Composed of nano scale particles or nanotechnology</td>
</tr>
<tr>
<td>GLO Global warming</td>
<td></td>
<td></td>
<td>Third Party Verified Verification by independent certifier approved by HPDC</td>
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<tr>
<td></td>
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<td></td>
<td>Preparer Third party preparer, if not self-prepared by manufacturer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Applicable facilities Manufacturing sites to which testing applies</td>
</tr>
</tbody>
</table>

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.