Section 1: Summary

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>SUBSTANCE</th>
<th>RESIDUAL OR IMPURITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLASS/MINERAL FIVER</td>
<td>GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED))</td>
<td>LT-UNK [ STEEL ] [ STEEL ] [ STEEL ] [ POLYURETHANE ] [ POLYURETHANE ] [ POLYURETHANE ] [ LT-UNK ] [ LT-UNK ] [ ZINC ] [ ZINC ] [ LT-P1 ]</td>
</tr>
<tr>
<td>GREENSCREEN SCORE</td>
<td>HAZARD TYPE</td>
<td></td>
</tr>
<tr>
<td>LT-UNK</td>
<td>LT-UNK</td>
<td></td>
</tr>
</tbody>
</table>

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

No certifications have been added to this HPD.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

Yes
No

PREPARER: Self-Prepared
VERIFIER: 
VERIFICATION #: 
SCREENING DATE: 2017-08-28
PUBLISHED DATE: 2018-01-25
EXPIRY DATE: 2020-08-28
**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).

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### GLASS/MINERAL FIVER

- **%:** 48.0000 - 78.0000
- **PRODUCT THRESHOLD:** 1000 ppm
- **RESIDUALS AND IMPURITIES CONSIDERED:** No
- **RESIDUALS AND IMPURITIES NOTES:** There are no known residuals or impurities and there is no mention of them in their MSDS.
- **OTHER MATERIAL NOTES:** The variability in mineral wool content is due to the variation in panel core thickness (anywhere from 3- to 8-inches). Thickness is determined by application needs.

### GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED) (GLASS / MINERAL FIBER (POST-CONSUMER RECYCLED))

- **%:** 48.0000 - 78.0000
- **GS:** LT-UNK
- **RC:** PostC
- **NANO:** No
- **ROLE:** Panel core material
- **AGENCY(IES) WITH WARNINGS:** None Found
- **SUBSTANCE NOTES:**

### STEEL

- **%:** 21.0000 - 49.0000
- **PRODUCT THRESHOLD:** 1000 ppm
- **RESIDUALS AND IMPURITIES CONSIDERED:** No
- **RESIDUALS AND IMPURITIES NOTES:** There are no known residuals or impurities and there are none listed on their MSDS.
- **OTHER MATERIAL NOTES:** Galvalume or Galvanized (Hot Dipped) Sheet steel is used. Steel includes alloying metals with the following CAS numbers: 1309-37-1, 1314-13-2, 1314-62-1, 7439-96-5, 7440-47-3, 7440-21-3, 7440-02-0, 7440-62-2. The amount of steel used per panel unit area is the same; however the relative amount varies due to variation in mineral wool core thickness (anywhere from 3- to 8-inches).

### STEEL (STEEL)

- **%:** 57.5000 - 82.5000
- **GS:** NoGS
- **RC:** Both
- **NANO:** No
- **ROLE:** Protective barrier of galvanized steel coil
- **AGENCY(IES) WITH WARNINGS:** None Found
- **SUBSTANCE NOTES:**
### Polyurethane

**Product Threshold:** 1000 ppm  
**Residuals and Impurities Considered:** No  

**Residuals and Impurities Notes:** There are no known residuals or impurities and none mentioned in their MSDS.  

**Other Material Notes:** Purchased adhesive however the relative amount varies due to variation in mineral wool core thickness.

### Zinc

**Product Threshold:** 1000 ppm  
**Residuals and Impurities Considered:** No  

**Residuals and Impurities Notes:** There is no known residuals or impurities and none mentioned in their MSDS.  

**Other Material Notes:** Zinc is associated with three primary hazards: aquatic toxicity, flammability, and respiratory. The last is applicable only to inhaled forms, which does not include galvanized coil. The risk of aquatic toxicity will depend on whether the zinc in the galvanized layer will leach from the panel into the environment. Finally, the risk of flammability is low as the product is designed to be fire resistant.

### Polyurethane (Polyurethane)

<table>
<thead>
<tr>
<th>%: 0.9000 - 1.5000</th>
<th>ID: 64440-88-6</th>
<th>Residuals and Impurities Considered: No</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARDS:</td>
<td>None Found</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
</tbody>
</table>

### Zinc (Zinc)

<table>
<thead>
<tr>
<th>%: 0.1000 - 0.3000</th>
<th>ID: 7440-66-6</th>
<th>Residuals and Impurities Considered: No</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARDS:</td>
<td>None</td>
<td>No warnings found on HPD Priority lists</td>
</tr>
</tbody>
</table>

**Acute Aquatic**  
- EU - R-phrases: R50 - Very Toxic to Aquatic Organisms  
- EU - GHS (H-Statements): H400 - Very toxic to aquatic life  
- EU - GHS (H-Statements): H410 - Very toxic to aquatic life with long lasting effects  

**Multiple**  
- German FEA - Substances Hazardous to Waters: Class 2 - Hazard to Waters  
- Potential Endocrine Disruptors: Potential Endocrine Disruptor

**Physical Hazard (Reactive)**  
- EU - GHS (H-Statements): H250 - Catches fire spontaneously if exposed to air  
- EU - GHS (H-Statements): H260 - In contact with water releases flammable gases which may ignite spontaneously
**TITANIUM DIOXIDE**

<table>
<thead>
<tr>
<th>%: 0.0200 - 0.0700</th>
<th>GS: LT-1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Coil pre-coat component (pigment)</th>
</tr>
</thead>
</table>

**HAZARDS:**
- **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

**CANCER**
- MAK
- Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

**OTHER MATERIAL NOTES:**
The primary hazard associated with titanium dioxide is cancer. Despite this fact, titanium dioxide is often used in cosmetic and skin care products, including the majority of sunscreens. In the product, it is used as a pigment and embedded in the polyurethane-based coil coating.

**RESIDUALS AND IMPURITIES CONSIDERED:** No

**RESIDUALS AND IMPURITIES NOTES:** There is no known residuals or impurities and there are none mentioned in their MSDS.

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**POLYVINYLIDENE FLUORIDE (1, 1-DIFLUOROETHENE)**

<table>
<thead>
<tr>
<th>%: 0.0000 - 0.0800</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Coil pre-coat component (binder)</th>
</tr>
</thead>
</table>

**HAZARDS:**
- None Found
- No warnings found on HPD Priority lists

**SUBSTANCE NOTES:**
Binder used as a coil pre-coat component

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**POLYESTER**

<table>
<thead>
<tr>
<th>%: 0.0000 - 0.0600</th>
<th>GS: LT-UNK</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Coil pre-coat component (binder)</th>
</tr>
</thead>
</table>

**RESIDUALS AND IMPURITIES CONSIDERED:** No

**RESIDUALS AND IMPURITIES NOTES:** There are no known residuals or impurities and there are none mentioned on their MSDS.

**OTHER MATERIAL NOTES:**

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RESIDUALS AND IMPURITIES NOTES: There are no known residuals or impurities and there are none mentioned on their MSDS.

OTHER MATERIAL NOTES: Binder used as a coil pre-coat component.

POLYESTER (POLYESTER)

<table>
<thead>
<tr>
<th>%: 0.0000 - 0.0600</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Coil pre-coat component (binder)</th>
</tr>
</thead>
</table>

HAZARDS: None Found

AGENCY(IES) WITH WARNINGS: No warnings found on HPD Priority lists

SUBSTANCE NOTES:

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.

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

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: Metl-Span
ADDRESS: 1720 Lakepointe Drive
Suite 101
CONTACT NAME: Amanda Storer
TITLE: Marketing Brand Manager
PHONE: 972.221.6656

ThermalSafe
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HPD v2.1 created via HPDC Builder Page 5 of 6
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.