Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

<table>
<thead>
<tr>
<th>Inventory Reporting Format</th>
<th>Threshold level</th>
<th>Residuals/Impurities</th>
<th>All Substances Above the Threshold Indicated Are:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nested Materials Method</td>
<td>100 ppm</td>
<td>Residuals/Impurities</td>
<td>Characterized ○ Yes Ex/SC ○ Yes ○ No</td>
</tr>
<tr>
<td>Basic Method</td>
<td>1,000 ppm</td>
<td>Considered in 4 of 4 Materials</td>
<td>% weight and role provided for all substances.</td>
</tr>
<tr>
<td></td>
<td>Per GHS SDS</td>
<td>Explanation(s) provided for Residuals/Impurities? ○ Yes ○ No</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Threshold Disclosed Per Material

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: NA

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
STEEL SUSPENSION SYSTEM | STEEL MANUFACTURE, CHEMICALS LT-UNK | COATING | CALCITE (CA(CO3)) NoGS | TITANIUM DIOXIDE LT-1 | CAN | END BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE (PRIMARY CASRN IS 9003-55-8) LT-UNK | ALUMINUM END CAPS | ALUMINUM ALLOY, AL,ZN, DROSS NoGS | POLYESTER CLOSED CELL GASKETING | POLYVINYL CHLORIDE LT-P1 | RES LIMESTONE LT-UNK | VINYL ACETATE LT-P1 | CAN | PHY | END | MUL | MAM | GEN BUTYL ACRYLATE LT-UNK | SKI | EYE |

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: NA

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

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Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

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Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

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Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.
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)

### STEEL SUSPENSION SYSTEM

<table>
<thead>
<tr>
<th>%: 92.0000 - 98.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD: 100 ppm</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES: All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.</td>
</tr>
<tr>
<td>OTHER MATERIAL NOTES: Raw Material information has been provided by the supplier.</td>
</tr>
</tbody>
</table>

### STEEL MANUFACTURE, CHEMICALS

<table>
<thead>
<tr>
<th>%: 100.0000 - 100.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAZARD SCREENING METHOD: Pharos Chemical and Materials Library</td>
</tr>
<tr>
<td>GS: LT-UNK</td>
</tr>
<tr>
<td>None found</td>
</tr>
<tr>
<td>AGENCY AND LIST TITLES</td>
</tr>
<tr>
<td>SUBSTANCE NOTES: Information for the metal grid has been supplied by the raw material manufacturer and screened the HPD Tool.</td>
</tr>
</tbody>
</table>

### COATING

<table>
<thead>
<tr>
<th>%: 2.0000 - 8.0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT THRESHOLD: 100 ppm</td>
</tr>
<tr>
<td>RESIDUALS AND IMPURITIES NOTES: All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.</td>
</tr>
<tr>
<td>OTHER MATERIAL NOTES: All raw material information has been provided by the supplier.</td>
</tr>
</tbody>
</table>
CALCITE (CA(CO3))

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-10-29

%: 75.0000 - 100.0000  GS: NoGS  RC: None  NANO: No  SUBSTANCE ROLE: Filler

None found

SUBSTANCE NOTES: The information for the coating formulation applied to the metal grid has been supplied by the manufacturer.

TITANIUM DIOXIDE

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-10-29

%: 25.0000 - 37.5000  GS: LT-1  RC: None  NANO: No  SUBSTANCE ROLE: Brightener

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

CANCER  MAK  Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels

SUBSTANCE NOTES: The information for the coating formulation applied to the metal grid has been supplied by the manufacturer.

BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE (PRIMARY CASRN IS 9003-55-8)

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  HAZARD SCREENING DATE: 2020-10-29

%: 5.0000 - 15.0000  GS: LT-UNK  RC: None  NANO: No  SUBSTANCE ROLE: Binder

None found

SUBSTANCE NOTES: The information for the coating formulation applied to the metal grid has been supplied by the manufacturer.

ALUMINUM END CAPS

%: 2.0000 - 6.0000

PRODUCT THRESHOLD: 100 ppm  RESIDUALS AND IMPURITIES CONSIDERED: Yes  MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.

OTHER MATERIAL NOTES: Raw Material information has been provided by the supplier.
<table>
<thead>
<tr>
<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>
<th>HA ZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINUM ALLOY, AL,ZN, DROSS</td>
<td>69011-73-0</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-29</td>
<td>100.0000 - 100.0000</td>
<td>NoGS</td>
<td>None</td>
<td>No</td>
<td>Structure component</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>SUBSTANCE NOTES: The information for the end caps has been supplied by the manufacturer.</td>
</tr>
<tr>
<td>POLYESTER CLOSED CELL GASKETING</td>
<td></td>
<td></td>
<td></td>
<td>0.2500 - 0.7500</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Material Role: Plasticizer</td>
<td>Residuals and Impurities Considered: Yes</td>
<td>All residuals and impurities have been considered and have been noted when applicable under the HPD Builder Guidelines.</td>
<td>OTHER MATERIAL NOTES: All raw material information has been provided by the supplier.</td>
</tr>
<tr>
<td>POLYVINYL CHLORIDE</td>
<td>9002-86-2</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-29</td>
<td>35.0000 - 45.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Plasticizer</td>
<td>RESPIRATORY</td>
<td>AOEC - Asthmagens</td>
<td>Asthmagen (Rs) - sensitizer-induced</td>
</tr>
<tr>
<td>LIMESTONE</td>
<td>1317-65-3</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-29</td>
<td>8.0000 - 15.0000</td>
<td>LT-UNK</td>
<td>None</td>
<td>No</td>
<td>Filler</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>SUBSTANCE NOTES: All raw material information has been provided by the supplier.</td>
</tr>
<tr>
<td>VINYL ACETATE</td>
<td>108-05-4</td>
<td>Pharos Chemical and Materials Library</td>
<td>2020-10-29</td>
<td>0.1000 - 1.0000</td>
<td>LT-P1</td>
<td>None</td>
<td>No</td>
<td>Binder</td>
<td>None found</td>
<td>No warnings found on HPD Priority Hazard Lists</td>
<td>SUBSTANCE NOTES: All raw material information has been provided by the supplier.</td>
</tr>
<tr>
<td>HAZARD TYPE</td>
<td>AGENCY AND LIST TITLES</td>
<td>WARNINGS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>IARC</td>
<td>Group 2b - Possibly carcinogenic to humans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYSICAL HAZARD (REACTIVE)</td>
<td>EU - GHS (H-Statements)</td>
<td>H225 - Highly flammable liquid and vapour</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>EU - GHS (H-Statements)</td>
<td>H351 - Suspected of causing cancer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>ENDOCRINE</td>
<td>TEDX - Potential Endocrine Disruptors</td>
<td>Potential Endocrine Disruptor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>MULTIPLE</td>
<td>German FEA - Substances Hazardous to Waters</td>
<td>Class 2 - Hazard to Waters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CANCER</td>
<td>MAK</td>
<td>Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAMMALIAN</td>
<td>US EPA - EPCRA Extremely Hazardous Substances</td>
<td>Extremely Hazardous Substances</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GENE MUTATION</td>
<td>GHS - New Zealand</td>
<td>6.6A - Known or presumed human mutagens</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** All raw material information has been provided by the supplier.

**BUTYL ACRYLATE**

ID: 141-32-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library  
HAZARD SCREENING DATE: 2020-10-29

%: 0.1000 - 1.0000  
GS: LT-UNK  
RC: None
NANO: No  
SUBSTANCE ROLE: Binder

<table>
<thead>
<tr>
<th>HAZARD TYPE</th>
<th>AGENCY AND LIST TITLES</th>
<th>WARNINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H315 - Causes skin irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>EU - GHS (H-Statements)</td>
<td>H317 - May cause an allergic skin reaction</td>
</tr>
<tr>
<td>EYE IRRITATION</td>
<td>EU - GHS (H-Statements)</td>
<td>H319 - Causes serious eye irritation</td>
</tr>
<tr>
<td>SKIN SENSITIZE</td>
<td>MAK</td>
<td>Sensitizing Substance Sh - Danger of skin sensitization</td>
</tr>
</tbody>
</table>

**SUBSTANCE NOTES:** All raw material information has been provided by the supplier.
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY:</td>
<td>Self-declared</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES:</td>
<td>NA</td>
</tr>
<tr>
<td>ISSUE DATE:</td>
<td>2020-10-19</td>
</tr>
<tr>
<td>EXPIRY DATE:</td>
<td>2020-11-23</td>
</tr>
<tr>
<td>CERTIFIER OR LAB:</td>
<td>NA</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td>NA</td>
</tr>
</tbody>
</table>

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

All raw materials have been screened through the HPD Builder Tool and noted at the 100 ppm threshold. Proper care and caution has been noted in the production process and safe handling of materials can be found on the SDS in the link below. For complete Safety and EHS information on any and all CertainTeed Ceiling Products please see https://www.certainteed.com/ceilings-and-walls/
MANUFACTURER INFORMATION

MANUFACTURER: Saint Gobain
ADDRESS: 20 Moores Road
Malvern PA 19335, United States
WEBSITE: http://www.certainteed.com/commercial-ceilings/

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
- 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

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.