

HPD UNIQUE IDENTIFIER: 27145

CLASSIFICATION: 07 42 13.23 Metal Composite Material Wall Panels

PRODUCT DESCRIPTION: Omega-Lite is a metal composite material (MCM) panel that consists of a thermoplastic core bonded to a texture/color finished sheet of aluminum on one face and a protected mill finished sheet of aluminum on the other. Panels are intended for used in Laminators Inc. installation systems. Omega-Lite panels offer a highly decorative, strong, and durable surface finish for exterior wall surfaces. The panels are non-absorbent, water-resistant, and easy to maintain. Omega-Lite maintains a Class A fire rating and NFPA 285 approval for several of our installation systems.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

| | | | |
|--|---|---|--|
| <p>Inventory Reporting Format</p> <p><input checked="" type="radio"/> Nested Materials Method <input type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material <input checked="" type="radio"/> Product</p> | <p>Threshold Level</p> <p><input type="radio"/> 100 ppm <input checked="" type="radio"/> 1,000 ppm <input type="radio"/> Per GHS SDS <input type="radio"/> Other</p> | <p>Residuals/Impurities</p> <p>Considered in 4 of 4 Materials</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> | <p><i>All Substances Above the Threshold Indicated Are:</i></p> <p>Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>% weight and role provided for all substances.</i></p> <p>Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No <i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p>Identified <input type="radio"/> Yes Ex/SC <input type="radio"/> Yes <input checked="" type="radio"/> No <i>One or more substances not disclosed by Name (Specific or Generic) and Identifier and/ or one or more Special Condition did not follow guidance.</i></p> |
|--|---|---|--|

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
ALUMINUM SHEETS [ALUMINUM BM-1 | END | RES | PHY SILICON, ELEMENTAL LT-UNK IRON, ELEMENTAL LT-P1 | END MANGANESE LT-P1 | END | MUL | REP] CORRUGATED CORE [ETHENE, POLYMER WITH 1-PROPENE LT-UNK ETHYLENE LT-UNK | CAN | PHY] ADHESIVE [EPOXY RESINS NoGS LIMESTONE BM-3dg UNDISCLOSED LT-UNK UNDISCLOSED LT-P1 | MUL BISPHENOL A DIGLYCIDYL ETHER LT-P1 | CAN | END | SKI | RES | EYE] PAINT

Number of Greenscreen BM-4/BM3 contents ... 0
 Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration (HPD) was completed in accordance with the HPD Standard version 2.2, and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product, along with the role and percent weight.

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: CDPH Standard Method – Not tested
 Other: ICC-ES Listing Report

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:
 VERIFICATION #:

SCREENING DATE: 2022-01-19

PUBLISHED DATE: 2022-01-19

EXPIRY DATE: 2025-01-19

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.hpdc-collaborative.org/hpd-2-2-standard

ALUMINUM SHEETS

#: 71.3000 - 71.3000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

MATERIAL TYPE: Metal

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were Considered as outlined in Emerging Best Practices. No residuals or impurities are expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS that are not otherwise disclosed as intentionally added ingredients (i.e. alloy elements), based on information provided in supplier documentation.

OTHER MATERIAL NOTES: Includes pre- and post-consumer recycled content. See substance notes for more information.

ALUMINUM

ID: 7429-90-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-01-19 11:08:08

#: 97.0000 - 99.9000

GS: BM-1

RC: Both

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| RES | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |
| PHY | EU - GHS (H-Statements) Annex 6 Table 3-1 | H228 - Flammable solid [Flammable solids - Category 1 or 2] |
| PHY | EU - GHS (H-Statements) Annex 6 Table 3-1 | H261 - In contact with water releases flammable gases [Substances and mixtures which, in contact with water, emit flammable gases - Category 2 or 3] |

SUBSTANCE NOTES: GreenScreen Benchmark® assessment score of BM-1 was provided by the HPD Builder Tool. Manufacturer confirms 70% total recycled content, including 13% pre-consumer and 57% post-consumer content.

SILICON, ELEMENTAL

ID: 7440-21-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-01-19 11:08:10

#: 0.0500 - 1.7000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|--|
| None found | | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES:

IRON, ELEMENTAL

ID: 7439-89-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-01-19 11:08:11

#: 0.0500 - 1.7000

GS: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Alloy element

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---------------------------------------|-------------------------------|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |

SUBSTANCE NOTES:

MANGANESE

ID: 7439-96-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-19 11:08:11**

%: **0.0100 - 1.5000** GS: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Alloy element**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|---|
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |
| REP | GHS - Japan | H360 - May damage fertility or the unborn child [Toxic to reproduction - Category 1B] |

SUBSTANCE NOTES:

CORRUGATED CORE

%: **24.8000 - 24.8000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, based on information provided in supplier documentation and/or as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES:

ETHENE, POLYMER WITH 1-PROPENE

ID: 9010-79-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-19 11:08:07**%: **100.0000 - 100.0000** GS: **LT-UNK** RC: **None** 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: Polypropylene.

ETHYLENE

ID: 74-85-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-19 11:08:12**%: **Impurity/Residual** GS: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Impurity/Residual**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| CAN | MAK | Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification |
| PHY | EU - GHS (H-Statements) Annex 6 Table 3-1 | H220 - Extremely flammable gas [Flammable gases - Category 1] |

SUBSTANCE NOTES: Information is not available to confirm the presence or absence of this residual monomer above the reporting threshold, so it has been included per the HPDC Polymers Special Condition Policy.

ADHESIVE%: **3.9000 - 3.9000**

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: Residuals and Impurities were "Considered", as outlined in Emerging Best Practices. Residuals or impurities with the potential to be present at or above the Content Inventory Threshold indicated that return a GS score of BM-1, LT-1, LT-P1 or NoGS have been disclosed, based on information provided in supplier documentation.

OTHER MATERIAL NOTES: Epoxy adhesive is expected to be completely reacted (cured) in the finished product.

EPOXY RESINS

ID: 61788-97-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-19 11:08:08**%: **40.0000 - 45.0000** GS: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Polymer species**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|--|
| None found | | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES:

LIMESTONE

ID: 1317-65-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-01-19 11:08:09**%: **40.0000 - 45.0000** GS: **BM-3dg** RC: **None** NANO: **No** SUBSTANCE ROLE: **Filler**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|--|
| None found | | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern). GreenScreen Benchmark® assessment score of BM-3dg was provided by the HPD Builder Tool.

UNDISCLOSED

ID: **Undisclosed**

| | | | |
|---|-------------------|---|---|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2022-01-19 11:08:09 | |
| %: 5.0000 - 10.0000 | GS: LT-UNK | RC: None | NANO: No SUBSTANCE ROLE: Viscosity modifier |

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|------------------------|--|
| None found | | No warnings found on HPD Priority Hazard Lists |

SUBSTANCE NOTES: Substance to remain proprietary to manufacturer. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

UNDISCLOSED

ID: **Undisclosed**

| | | | |
|---|------------------|---|--|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2022-01-19 11:08:10 | |
| %: 5.0000 - 10.0000 | GS: LT-P1 | RC: None | NANO: No SUBSTANCE ROLE: Impact modifier |

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|----------------------------|
| MUL | German FEA - Substances Hazardous to Waters | Class 2 - Hazard to Waters |

SUBSTANCE NOTES: Substance to remain proprietary to manufacturer. Substance is not included on the Living Building Challenge (LBC) Red List Chemical Guide Version 4.0.

BISPHENOL A DIGLYCIDYL ETHER

ID: **1675-54-3**

| | | | |
|---|------------------|---|--|
| HAZARD SCREENING METHOD: Pharos Chemical and Materials Library | | HAZARD SCREENING DATE: 2022-01-19 11:08:12 | |
| %: Impurity/Residual | GS: LT-P1 | RC: None | NANO: No SUBSTANCE ROLE: Impurity/Residual |

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|-------------|---|--|
| CAN | MAK | Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value |
| END | TEDX - Potential Endocrine Disruptors | Potential Endocrine Disruptor |
| SKI | MAK | Sensitizing Substance Sh - Danger of skin sensitization |
| RES | AOEC - Asthmagens | Asthmagen (Rs) - sensitizer-induced |
| END | EU - Priority Endocrine Disruptors | Category 2 - In vitro evidence of biological activity related to Endocrine Disruption |
| SKI | EU - GHS (H-Statements) Annex 6 Table 3-1 | H315 - Causes skin irritation [Skin corrosion/irritation - Category 2] |
| SKI | EU - GHS (H-Statements) Annex 6 Table 3-1 | H317 - May cause an allergic skin reaction [Skin sensitization - Category 1] |
| EYE | EU - GHS (H-Statements) Annex 6 Table 3-1 | H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A] |

SUBSTANCE NOTES: Information is not available to confirm the presence or absence of this residual monomer above the reporting threshold, so it has been included per the HPDC Polymers Special Condition Policy.

PAINT

#: 0.0200 - 0.0200

PRODUCT THRESHOLD: 1000 ppm RESIDUALS AND IMPURITIES CONSIDERED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: As this material falls below the Content Inventory Threshold indicated for the final product, no residuals/impurities are possible above this level.

OTHER MATERIAL NOTES: All substances in this material are below the reportable threshold. Standard paints available include PVDF/Kynar 500® and Polyester. Contact manufacturer if more information is required.

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 | CDPH Standard Method – Not tested | | |
|---|-----------------------------------|-------------------------|--|
| CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: N/A CERTIFICATE URL: | ISSUE DATE: 2021-12-09 | EXPIRY DATE: | CERTIFIER OR LAB: N/A |
| CERTIFICATION AND COMPLIANCE NOTES: | | | |
| | | | |
| OTHER | ICC-ES Listing Report | | |
| CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: All CERTIFICATE URL: https://icc-es.org/report-listing/esl-1248/ | ISSUE DATE: 2021-02-01 | EXPIRY DATE: 2022-02-01 | CERTIFIER OR LAB: ICC Evaluation Service |
| CERTIFICATION AND COMPLIANCE NOTES: Listing Report ESL-1248. Product: OMEGA-LITE® ACM PANELS. Evaluation: Omega-Lite® ACM panels were evaluated for use in Types I, II, III or IV construction based on a tested exterior non-load-bearing wall assembly consisting of building materials components described in the Assembly Section, tested in accordance with the following standard: NFPA285(-12and -06), Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components, National Fire Protection Association. | | | |

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.

| INSTALLATION MATERIALS | HPD URL: No HPD available |
|--|---------------------------|
| CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Various accessories are required for the installation of Omega-Lite. Refer to the Laminators installation guides for additional information. | |

Section 5: General Notes

MANUFACTURER INFORMATION

MANUFACTURER: Laminators Incorporated
ADDRESS: 3255 Penn Street
 Hatfield PA 19440, USA
WEBSITE: www.LaminatorsInc.com

CONTACT NAME: Brian Jeter
TITLE: Director of Engineering
PHONE: 215.703.5121
EMAIL: Brian.Jeter@LaminatorsInc.com

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

GreenScreen (GS)

| | |
|---|--|
| BM-4 Benchmark 4 (prefer-safer chemical) | LT-1 List Translator 1 (Likely Benchmark-1) |
| BM-3 Benchmark 3 (use but still opportunity for improvement) | 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.) |
| BM-2 Benchmark 2 (use but search for safer substitutes) | NoGS No GreenScreen. |
| 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) | |

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.