

CLASSIFICATION: 09 77 00

PRODUCT DESCRIPTION: FRL® Fiber Reinforced Laminate is the ideal wall surfacing solution for high traffic environments that need to be aesthetically pleasing and stay looking sharp. A patented product from Panolam® Surface Systems, this Class A solid construction with fiberglass reinforcement gives FRL® panels their unique qualities. These include ease of application, job-site workability, long-lasting style and durability year-after-year. FRL® panels are high-impact resistant, easy to clean and come in a wide range of colors and finishes.

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
 Per OSHA MSDS
 Other

Residuals/Impurities

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided
for Residuals/Impurities?

- Yes No

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](#)

[PANOLAM FRL \(FIBER REINFORCED LAMINATE\)](#) [[CELLULOSE, MICROCRYSTALLINE NoGS](#) [ALUMINA TRIHYDRATE BM-2](#) | [RES PHENOL FORMALDEHYDE LT-P1](#) | [RES MELAMINE FORMALDEHYDE LT-UNK](#) [SOLID GLASS AND GLASS / MINERAL FIBER \(SEE VARIANTS\)](#) (GLASS / MINERAL FIBER) [LT-UNK](#) | [CAN ALUMINUM OXIDE BM-2](#) | [RES](#)]

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

Contents highest concern GreenScreen

Benchmark or List translator Score ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Greenguard Gold certification

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 Certified

VOC emissions: UL/GreenGuard Gold Certified

Sustainable forestry: FSC Certification - Chain of Custody (COC)

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-01-25

PUBLISHED DATE: 2019-09-26

EXPIRY DATE: 2022-01-25



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

PANOLAM FRL (FIBER REINFORCED LAMINATE)

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Product is tested on a quarterly basis for it's UL Greenguard Gold certification

OTHER PRODUCT NOTES: UL Environment is an organization that oversees the GREENGUARD certification program for indoor air quality. The goal of the program is to improve public health and quality of life by helping manufacturers build better and safer products. Panolam Surface Systems® is proud to be recognized by this organization with GREENGUARD and GREENGUARD GOLD certification on many of our products.

CELLULOSE, MICROCRYSTALLINE

ID: 9004-34-6

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-25

#: 45.00 - 65.00

GS: NoGS

RC: PreC

NANO: No

ROLE: Primary component

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Primary component of FRL is paper

ALUMINA TRIHYDRATE

ID: 21645-51-2

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-25

#: 15.00 - 35.00

GS: BM-2

RC: None

NANO: No

ROLE: Fire Retardant

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Fire retardant agent in paper

PHENOL FORMALDEHYDE

ID: 9003-35-4

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-01-25

#: 15.00 - 35.00

GS: LT-P1

RC: None

NANO: No

ROLE: Resin for Kraft paper core

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Used to bind kraft paper core. The resin reacts during the manufacturing process to form the cured polymer.

MELAMINE FORMALDEHYDE

ID: 9003-08-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

#: **5.00 - 25.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Decorative Paper Resin**

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

SUBSTANCE NOTES: Resin used to bind decorative paper to kraft core. The resin is reacted in the manufacturing process to form the cured polymer

SOLID GLASS AND GLASS / MINERAL FIBER (SEE VARIANTS) (GLASS / MINERAL FIBER)

ID: 65997-17-3

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

#: **5.00 - 25.00** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **Laminate Core**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	EU - GHS (H-Statements)	H351 - Suspected of causing cancer

SUBSTANCE NOTES:

ALUMINUM OXIDE

ID: 1344-28-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-25**

#: **0.50 - 5.00** GS: **BM-2** RC: **None** NANO: **No** ROLE: **Protective surface for laminate**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Combined with resin or in decorative paper to improve scratch resistance of product

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 Certified

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2005-08-02** EXPIRY DATE: **2020-04-04** CERTIFIER OR LAB: **UL**
APPLICABLE FACILITIES: **Auburn Maine Manufacturing plant and all Distribution centers**
CERTIFICATE URL: <https://panolam.com/wp-content/uploads/2019/08/GREENGUARD-Certification-FRL-2019-2020.pdf>
CERTIFICATION AND COMPLIANCE NOTES:

VOC EMISSIONS

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2008-04-09** EXPIRY DATE: **2020-04-04** CERTIFIER OR LAB: **UL**
APPLICABLE FACILITIES: **Auburn Maine manufacturing plant and all Distribution Centers**
CERTIFICATE URL: <https://panolam.com/wp-content/uploads/2019/04/GREENGUARD-Gold-Certification-FRL.pdf>
CERTIFICATION AND COMPLIANCE NOTES:

SUSTAINABLE FORESTRY

FSC Certification - Chain of Custody (COC)

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2019-04-26** EXPIRY DATE: **2024-04-26** CERTIFIER OR LAB: **Rainforest Alliance/NEPCON**
APPLICABLE FACILITIES: **Auburn Maine manufacturing plant and all Distribution Centers**
CERTIFICATE URL: https://panolam.com/wp-content/uploads/2019/04/Panolam-Industries-International-Inc.-FSC-COC-w_CW-Certificate-27-04-2024.pdf
CERTIFICATION AND COMPLIANCE NOTES: **FSC product available upon request**

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

UL Environment is an organization that oversees the GREENGUARD certification program for indoor air quality. The

goal of the program is to improve public health and quality of life by helping manufacturers build better and safer products. Panolam Surface Systems® is proud to be recognized by this organization with GREENGUARD and GREENGUARD GOLD certification on many of our products.



MANUFACTURER INFORMATION

MANUFACTURER: **Panolam Industries International Inc**
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KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet
GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Hazard Types

AQU Aquatic toxicity	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

Recycled Types

PreC Preconsumer (Post-Industrial)
PostC Postconsumer
Both Both Preconsumer and Postconsumer
Unk Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms

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.