High Pressure Laminate
by Stylam Industries Limited

Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 1007887360
CLASSIFICATION: 06 18 00 Glued-Laminated Construction
PRODUCT DESCRIPTION: High Pressure Decorative Laminates are made by bonding layers of thermosetting resin impregnated decor and kraft papers. The decor and kraft paper can be of different varieties based on appearance and other properties. The thickness range of the product generally varies from 0.5mm to 25mm. Normally, less than 2mm thick laminates called HPL have decor paper on one side only and are sanded from other side to bond to supporting substrate while the 2mm and above thick laminates called COMPACT have decor paper on both side and are self-supporting. The product can be made in different finishes and sizes. Common applications of HPL are -Indoor Vertical Application (e.g. Interior Walls, Ceiling, Cuboids, Partitions, etc.) -Indoor Horizontal Application (e.g. Tabletops, Kitchen Tops, etc.) -Exterior Applications (e.g. Wall claddings, etc.)

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 Evaluation
- ◉ Completed
- ○ Partially Completed
- ○ Not Completed

Explanation(s) provided :
- ◉ Yes ○ No

For all contents above the threshold, the manufacturer has:

Characterized ◉ Yes ○ No
Provided weight and role.

Screened ◉ Yes ○ No
Provided screening results using HPDC-approved methods.

Identified ◉ Yes ○ No
Provided name and CAS RN or other 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.

PRODUCT | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY* GREENSCREEN SCORE | HAZARD TYPE

HIGH PRESSURE LAMINATE [PULP, CELLULOSE (KRAFT PAPER) NoGS **PHENOL-FORMALDEHYDE RESIN** LT-P1 **PULP, CELLULOSE (DECORATIVE PAPER)** NoGS **MELAMINE/FORMALDEHYDE RESIN** LT-UNK **]**

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

None

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
Recycled content: SCS Recycled Content Certification - Products
Overall Environmental Sustainability: SGLS Singapore Green Labelling Scheme
Overall Environmental Sustainability: Singapore Green Building Product Certification

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2025-06-05
PUBLISHED DATE: 2025-06-07
EXPIRY DATE: 2028-06-05

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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

HIGH PRESSURE LAMINATE

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: In reference to the Green Guard certification by UL Environment Test Lab, the residuals and impurities are tested on quarterly basis.

OTHER PRODUCT NOTES: Since the High Pressure Laminate product is made by bonding layers of thermosetting resin impregnated decor and kraft papers under high Pressure (About 7Mpa) and Temperature (About 150°C) conditions, the polymer reaction starts and resin in the paper make cross links turning the product into Thermoset. At such high cure the Residuals and Impurities are left by very small fraction i.e. < 7.3 parts per billion.

PULP, CELLULOSE (KRAFT PAPER) ID: 65996-61-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-05 4:35:54**

%: **50.0000 - 70.0000** GreenScreen: **NoGS** RC: **PostC** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES: Kraft paper is impregnated with Phenol-formaldehyde resin and used as core layers underneath the Decorative Surface Layer. The Post Consumer content is about 52%

PHENOL-FORMALDEHYDE RESIN ID: 9003-35-4

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-05 21:36:43**

%: **20.0000 - 30.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025 Red List substances to avoid in Living Building Challenge V4.0 projects

SUBSTANCE NOTES: Used to impregnate Kraft Paper layers and act as bonding component

PULP, CELLULOSE (DECORATIVE PAPER)

ID: **65996-61-4**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-05 4:06:15**

%: **2.0000 - 10.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES: Decorative paper is impregnated in Melamine-Formaldehyde resin and used as surface layer for High Pressure Laminate

MELAMINE/FORMALDEHYDE RESIN

ID: **9003-08-1**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-05 21:35:10**

%: **2.0000 - 10.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Adhesive**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	International Living Future Institute (ILFI)	Living Building Challenge 4.0 - Red List of Materials & Chemicals - Effective February 1, 2025 Red List substances to avoid in Living Building Challenge V4.0 projects
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 All Products

SUBSTANCE NOTES: Used to impregnate Decor Paper layer and act as bonding component

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
APPLICABLE FACILITIES: Unit-I : Village Manak Tabra, Raipur Rani Road, District Panchkula, Haryana-134204 (INDIA) Unit II : Plot No. 192-193, Industrial Area Phase-1, Panchkula, Haryana-134113 (INDIA)
CERTIFICATE URL: https://www.stylam.com/public/uploads/202503030726_pdf_GREENGUARD-Certification.pdf

ISSUE DATE: 2012-12-07 00:00:00
EXPIRY DATE: 2025-12-07 00:00:00

CERTIFIER OR LAB: UL Solutions, USA

CERTIFICATION AND COMPLIANCE NOTES: The UL GREENGUARD Certification is the industry's first to address indoor air quality concerns comprehensively, based on rigorous testing standards like UL 2818 - 2022 Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. -Product tested in accordance with UL 2821 test method show compliance to emission limits as per UL 2818. Section 7.1 and 7.2. -Products are also determined for compliance in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 in the office environment. -UL GREENGUARD Certification criteria have served as the basis for the Leadership in Energy and Environmental Design (LEED) credit for low-emitting furniture since 2002.

RECYCLED CONTENT — **SCS Recycled Content Certification - Products**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Unit-I : Village Manak Tabra, Raipur Rani Road, District Panchkula, Haryana-134204 (INDIA) Unit II : Plot No. 192-193, Industrial Area Phase-1, Panchkula, Haryana-134113 (INDIA)
CERTIFICATE URL: https://www.stylam.com/public/uploads/202503030728_pdf_StylamIndustries_2024_SCS-RC-20024_v2_s.pdf

ISSUE DATE: 2024-08-30 00:00:00
EXPIRY DATE: 2025-08-29 00:00:00

CERTIFIER OR LAB: SCS Global Services

CERTIFICATION AND COMPLIANCE NOTES: Recycled Content Certification independently verifies the percentage of a product or material that is derived from recycled content. Certification is for product or material manufacturers that use post-consumer or pre-consumer recycled content and want to make a verified claim. Third party body conducts an independent third-party audit of the organization and the product(s) with recycled content. The audit checks for manufacturing data, processes, chain of custody procedures, material quantification and mass-balance calculations to determine conformance to the Recycled Content Standard. Stylam Conforms to SCS Recycled Content Standard V7-0 for a minimum 52% Post-Consumer Recycled Wood Fiber Content. The material quantification and mass-balance calculations are completed on a dry-weight basis.

OVERALL ENVIRONMENTAL SUSTAINABILITY — **SGLS Singapore Green Labelling Scheme**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Unit-I : Village Manak Tabra, Raipur Rani Road, District Panchkula, Haryana-134204 (INDIA) Unit II : Plot No. 192-193, Industrial Area Phase-1, Panchkula, Haryana-134113 (INDIA)
CERTIFICATE URL: https://www.stylam.com/public/uploads/202503030725_pdf_STYLAM-INDUSTRIES-LIMITED-042-046-2383.docx.pdf

ISSUE DATE: 2024-08-03 00:00:00
EXPIRY DATE: 2026-08-02 00:00:00

CERTIFIER OR LAB: Singapore Environment Council

CERTIFICATION AND COMPLIANCE NOTES: The Singapore Green Labelling Scheme (SGLS) is a Type I environmental certification (also known as an ecolabel) administered by the Singapore Environment Council (SEC). -It follows the ISO 14024 standard, which involves third-party certification based on multiple criteria considering the product's life cycle. -Products are evaluated for their environmental impact, including resource use, emissions, and recyclability.

OVERALL ENVIRONMENTAL SUSTAINABILITY — **Singapore Green Building Product Certification**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Unit-I : Village Manak Tabra, Raipur Rani Road, District Panchkula, Haryana-134204 (INDIA) Unit II : Plot No. 192-193, Industrial Area Phase-1, Panchkula, Haryana-134113 (INDIA)
CERTIFICATE URL: https://www.stylam.com/public/uploads/202503030725_pdf_SGBP-5466-STYLAM-INDUSTRIES-LTD.pdf

ISSUE DATE: 2024-01-30 00:00:00
EXPIRY DATE: 2026-01-29 00:00:00

CERTIFIER OR LAB: Singapore Green Building Council

CERTIFICATION AND COMPLIANCE NOTES: The Singapore Green Building Product (SGBP) Certification is a sustainability certification administered by the Singapore Green Building Council (SGBC). It is designed to recognize and promote environmentally preferable building products that contribute to a greener built environment. -Sustainability Certification (aligned with ISO 14024 Type I environmental labelling). -Purpose is to evaluate and certify building products based on their environmental performance, resource efficiency, and contribution to green buildings

HEALTH AND SAFETY CERTIFICATION FOR HPL(NSF/ANSI 35)

NSF (National Sanitation Foundation)

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Unit-I : Village Manak Tabra, Raipur Rani Road, District Panchkula, Haryana-134204 (INDIA) Unit II : Plot No. 192-193, Industrial Area Phase-1, Panchkula, Haryana-134113 (INDIA)
CERTIFICATE URL: https://www.stylam.com/public/uploads/202503030720_pdf_NSF-Certificate-C0563192.pdf

ISSUE DATE: 2021-05-03 00:00:00
EXPIRY DATE:

CERTIFIER OR LAB: NSF International, USA

CERTIFICATION AND COMPLIANCE NOTES: NSF Certification is a globally recognized public health and safety certification issued by NSF International (formerly the National Sanitation Foundation). It is a health and safety certification focused on protecting consumers. Stylam Product appearing in the NSF official listing complies with NSF/ANSI 35 and all applicable requirements and authorized to bear the NSF mark.

INDOOR AIR QUALITY AND LOW-EMISSION CERTIFICATION

Emission Classification of Building Materials - M1

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Unit-I : Village Manak Tabra, Raipur Rani Road, District Panchkula, Haryana-134204 (INDIA) Unit II : Plot No. 192-193, Industrial Area Phase-1, Panchkula, Haryana-134113 (INDIA)
CERTIFICATE URL: https://www.stylam.com/public/uploads/202505210945_pdf_M1%20Certificate_Stylam%20Industries_2025-05-16.pdf

ISSUE DATE: 2025-05-17 00:00:00
EXPIRY DATE: 2028-05-16 00:00:00

CERTIFIER OR LAB: Rakennustieto Oy, Finland

CERTIFICATION AND COMPLIANCE NOTES: The M1 Emission Certification is a low-emission certification for building materials, developed and managed by the Finnish Building Information Foundation (Rakennustieto). Focus on evaluation of emission levels of volatile organic compounds (VOCs), formaldehyde, ammonia, and odour from building materials. -Stylam has the right to mark its classified products with the classification label and to use the classification label in the marketing of these products. -The classification decision is based on documents Classification of Indoor Environment 2018, and Emission Classification of Building Materials, General rules.

SUSTAINABLE FORESTRY

FSC Certification - Chain of Custody (COC)

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Central Office : Village Manak Tabra, Raipur Rani Road, District Panchkula, Haryana-134204 (INDIA) Participating Site : Plot No. 192-193, Industrial Area Phase-1, Panchkula, Haryana-134113 (INDIA)
CERTIFICATE URL: https://www.stylam.com/public/uploads/202503030719_pdf_FSC-BV-COC-146497_2024.pdf

ISSUE DATE: 2024-02-26 00:00:00
EXPIRY DATE: 2029-02-25 00:00:00

CERTIFIER OR LAB: Bureau Veritas Certification Holding (BVCH), India

CERTIFICATION AND COMPLIANCE NOTES: The FSC Certification (Forest Stewardship Council) is a globally recognized certification system that promotes responsible management of the world's forests. Purpose is to ensure that forest products are sourced from responsibly managed forests that provide environmental, social, and economic benefits.

SUSTAINABLE FORESTRY

PEFC Certification (Programme for the Endorsement of Forest Certification)

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Village Manak Tabra, Raipur Rani Road, District Panchkula, Haryana-134204 (INDIA)
CERTIFICATE URL: https://www.stylam.com/public/uploads/202506070704_PEFC%20CoC-Certificate_V1.3_Stylam%20Industries%20Ltd..pdf

ISSUE DATE: 2024-07-22 00:00:00
EXPIRY DATE: 2029-07-21 00:00:00

CERTIFIER OR LAB: GICIA INDIA PVT. LTD.

CERTIFICATION AND COMPLIANCE NOTES: The PEFC Certification (Programme for the Endorsement of Forest Certification) is an internationally recognized certification system that promotes sustainable forest management through independent third-party certification. Purpose is to ensure that forests are managed in line with environmental, social, and economic criteria. It helps protect biodiversity, supports local communities, and ensures the long-term health of forest ecosystems.

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: **Stylam Industries Limited**
ADDRESS: **SCO 14, Sector 7C, Madhya Marg**
Chandigarh
Chandigarh, Chandigarh 160019
COUNTRY: **India**
LATITUDE: **76.8013000**
LONGITUDE: **30.7328000**

WEBSITE: **www.stylam.com**
CONTACT NAME: **Sachin Bhatla**
TITLE: **Director-Technical**
PHONE: **+91-7508009901**
EMAIL: **sachinbhatla@stylam.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
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
OZO Ozone depletion
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
NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

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.