

HPD UNIQUE IDENTIFIER: 1567533056

CLASSIFICATION: 06 06 00 Schedules for Wood, Plastics, and Composites

PRODUCT DESCRIPTION: Trespa® TopLab® PLUS is a decorative high-pressure compact laminate (HPL) manufactured using Trespa's unique in-house technology, Electron Beam Curing (EBC). Trespa® TopLab® PLUS has been developed for the most demanding functional and scientific worktops and combines basic requirements like high durability and easy cleanability with an attractive and timeless palette of inspiring colors. More information: www.trespa.com.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	For all contents above the threshold, the manufacturer has:
☒ Nested Materials Method	☒ 100 ppm	Completed in 2 of 2 Materials	Characterized ☒ Yes ☐ No
☐ Basic Method	☐ 1,000 ppm	Explanation(s) provided for Residuals/Impurities?	<i>Provided weight and role.</i>
Threshold Disclosed Per	☐ Per GHS SDS	☒ Yes ☐ No	Screened ☒ Yes ☐ No
☐ Material	☐ Other		<i>Provided screening results using HPDC-approved methods.</i>
☒ Product			Identified ☒ Yes ☐ No
			<i>Provided name and CAS RN or other identifier.</i>

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.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

CORE MATERIAL [PULP, CELLULOSE NoGS PHENOL-FORMALDEHYDE RESIN LT-P1] DECORATIVE LAYER [ACRYLATED URETHANE RESIN LT-UNK PHENOL-FORMALDEHYDE RESIN LT-P1 PULP, CELLULOSE NoGS TITANIUM DIOXIDE LT-1*] CAN | END | MAM CARBON BLACK BM-1*] CAN | EYE | MAM CHROME RUTILE YELLOW BM-1]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Residuals and Impurities were considered based on direct testing via VOC emissions testing by the 3rd party laboratory UL Environment, and supplier SDSs. No Residuals or Impurities are expected to be present at or above the Content Inventory Threshold that returns a GreenScreen score of BM-1, LT-1, LT-P1 or NoGS. SDS may not identify all Residuals or Impurities present in this material that would require reporting on the HPD.

*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

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 Gold Certified

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

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.

Pre-checked for LEED v4.1 Option 1.

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

CORE MATERIAL	%: 96.8600 - 98.7600	
PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Residual monomers are tested on a quarterly basis by the 3rd party laboratory UL Enviornment and achieve Greenguard Gold		
OTHER MATERIAL NOTES: The core (bulk) material of the Trespa® TopLab® PLUS panel		

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-06-16 6:07:48		
%: 61.0400 - 66.1700	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: This item is used as a structural component of the core material and it consists of 100% FSC wood fibers. The content of the substance, within the reported concentration range, varies depending on the product thickness.				

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-06-16 6:07:49		
%: 30.3900 - 32.3300	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Polymer species
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 April 1, 2023	
			Red List substances to avoid in Living Building Challenge V4.0 projects	
SUBSTANCE NOTES: This component acts as a bio-based binder. Exposure could only occur during the manufacturing process of the core material. Once the product is pressed, this substance will be converted into a fully crosslinked polymer with no hazards. The content of the substance, within the reported concentration range, varies depending on the product thickness.				

PRODUCT THRESHOLD: 100 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Polymeric Material
RESIDUALS AND IMPURITIES NOTES: Residual monomers are tested on a quarterly basis by the 3rd party laboratory UL Enviornment and achieve Greenguard Gold		
OTHER MATERIAL NOTES: The decorative surface layer of Trespa® TopLab® PLUS panel		

HAZARD DATA SOURCE: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2023-06-16 6:07:49
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HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This product makes up the surface of Trespa® TopLab® PLUS. Upon EB-curing it becomes cured acrylated polyurethane polymer which possesses superior surface properties. The content of the substance, within the reported concentration range, varies depending on the product thickness.

PHENOL-FORMALDEHYDE RESIN

ID: 9003-35-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-06-16 6:07:49		
%: 0.5800 - 0.7300	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Binder
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 April 1, 2023		
		Red List substances to avoid in Living Building Challenge V4.0 projects		

SUBSTANCE NOTES: This component acts as a binder. It enables binding the decorative layer to the core layer. Exposure could only occur during the paper impregnation process. Once the TopLab product is pressed, this substance will be converted into a fully crosslinked polymer with no hazards. The content of the substance, within the reported concentration range, varies depending on the product thickness.

PULP, CELLULOSE

ID: 65996-61-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-06-16 6:07:50		
%: 0.2700 - 0.5300	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Carrier
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: This item is used as a carrier of the decorative coating layer and it consists of 100% virgin pulp. The content of the substance, within the reported concentration range, varies depending on the product thickness.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2023-06-16 6:07:49

%: 0.0000 - 0.3283	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen**		
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route**		
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**		
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**		
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels**		
CAN	IARC	Group 2b - Possibly carcinogenic to humans**		
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**		
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**		
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**		
CAN	EU - Annex VI CMRs	Carcinogen Category 2 - Suspected human Carcinogen**		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Formulated Consumer Products		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Cosmetics & Personal Care Products		
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL)		
		Colorants - Green Circle (Verified Low Concern)		

SUBSTANCE NOTES: The pigments are incorporated within the base-coat of the decorative surface layer of the product and immobilized through the curing process in the manufacturing process of the product. The presence of the substance, within the reported concentration range, varies depending on the color.

**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-06-16 6:07:49		
?: 0.0000 - 0.0294	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen**		
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification**		
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route**		
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources**		
CAN	IARC	Group 2b - Possibly carcinogenic to humans**		
EYE	GHS - New Zealand	Eye irritation category 2**		
CAN	GHS - New Zealand	Carcinogenicity category 2**		
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]**		
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]**		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: The pigments are incorporated within the base-coat of the decorative surface layer of the product and immobilized through the curing process in the manufacturing process of the product. The presence of the substance, within the reported concentration range, varies depending on the color.

**Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

CHROME RUTILE YELLOW		ID: 68186-90-3		
HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2023-06-16 6:07:50		
?: 0.0000 - 0.0275	GreenScreen: BM-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
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	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Biological and Environmentally Released Materials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPH)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022
		Cosmetics & Personal Care Products

SUBSTANCE NOTES: The pigments are incorporated within the base-coat of the decorative surface layer of the product and immobilized through the curing process in the manufacturing process of the product. The presence of the substance, within the reported concentration range, varies depending on the color.

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 Gold Certified	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2004-04-03	CERTIFIER OR LAB: UL
APPLICABLE FACILITIES: Trespa International BV, Weert, the Netherlands	EXPIRY DATE: 2023-09-16	
CERTIFICATE URL: https://www.trespa.info/en/documents/TopLab-PLUS/Panel-certificates-&-test-reports?r=12		
CERTIFICATION AND COMPLIANCE NOTES: UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings. Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment. Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2		
SUSTAINABLE FORESTRY	FSC Certification - Chain of Custody (COC)	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2022-09-19	CERTIFIER OR LAB: SGS
APPLICABLE FACILITIES: Trespa International BV Trespa North America LTD Trespa China CO. LTD	EXPIRY DATE: 2027-09-18	
CERTIFICATE URL: https://www.trespa.info/en/certificates?r=12		
CERTIFICATION AND COMPLIANCE NOTES: FSC 100%. FSC Mix, FSC Controlled Wood FSC-STD-40-004 V3-1 - Chain of Custody Certification FSC-STD-40-003 V2-1 - Chain of Custody Certification of Multiple sites - November 2014 FSC-STD-50-001 Requirements for use of the FSC trademarks by Certificate Holders		

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

Trespa® TopLab® PLUS is a decorative high-pressure compact laminate (HPL) manufactured using Trespa's unique in-house technology, Electron Beam Curing (EBC). Trespa® TopLab® PLUS has been developed for the most demanding functional and scientific worktops and combines basic requirements like high durability and easy cleanability with an attractive and timeless palette of inspiring colors.

This HPD applies to all colors, formats, and thicknesses of the Trespa® TopLab® PLUS product range manufactured by Trespa International BV in Weert, the Netherlands and described in the standard delivery program available on <https://www.trespa.info/en/documents/TopLab-PLUS/Delivery-programme?r=10>.

For more information and contact: www.trespa.com.

MANUFACTURER INFORMATION

MANUFACTURER: Trespa International BV
ADDRESS: Wetering 20
Weert Limburg 6002 SM, Netherlands
WEBSITE: <https://www.trespa.info/>

CONTACT NAME: Yurii Kalashnykov
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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-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

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.