



The Laminex Group Laminate

Laminate is a thin decorative sheet suitable for a variety of vertical and horizontal applications, when adhered to a suitable supportive substrate. Inherently durable, Laminate consists of layers of cellulose fibres impregnated with thermosetting resins, then consolidated under heat and pressure to produce a non-porous panel.

Products/Ranges:	CustomArt, AbsoluteMatte, Chemical Resistant, Natural, Nuance, Chalk, Velour
Product Stages Assessed:	Whole of life + In-Use
Product Type:	Decorative panel
CSI Masterformat:	06 42 00
Licenced Site/s:	Cheltenham
Licence Number:	TLG:EW01:2023:PH
Licence Date:	08 May 2023
Valid To:	08 May 2025
Standard:	GGT International v4.0
Screening Date:	09th March 2023
PHD URL:	https://www.globalgreentag.com/certificate/1813/

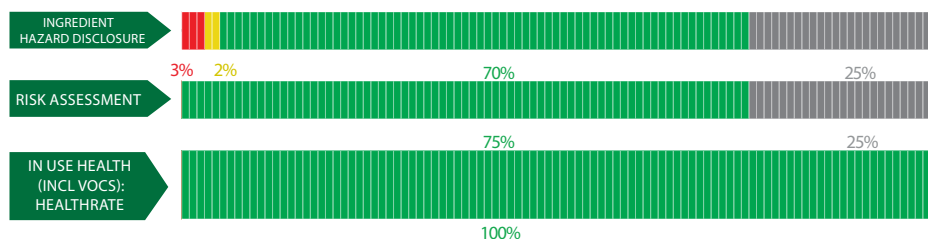


PHD Summary	Inventory Threshold:	Inventory Method:
Percentage Assessed: 100%	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant.
- GreenTag PHD recognised by WELL™ & LEED® Material Transparency & Optimization credits included below:
- Meets Green Star® 'Buildings v1.0' as Recognized for Credit 9: Responsible Finishes; as a Compliant Technical Document (Audited) for Credit 13: Exposure to Toxins.
- Meets IWBI® WELL™ v1.0 as Recognized for Feature 26 (Part 1), Feature 97 (Part 1), Feature 04 (Part 5) and, meets IWBI® WELL™ v2.0 as a Compliant Technical Document (Audited) for X06 (Part 2), X07 (Part 1,3) and X08 (Part 1).
- Meets USGBC LEED® v4.0 and v4.1 Rating Tool Credit as Recognized for MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 1: Material Ingredient Reporting, Option 2: International ACP -REACH Optimisation.
- Independent third party assessment for worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass. See over for explanation.

ASSESSMENT:



Declared by:
Global GreenTag
International Pty Ltd

David Baggs
CEO

Verified compliant with:
ISO 14024 & ISO 17065

1.0 Scope

The Global GreenTag International (GGT) Product Health Declaration (PHD) has been designed to provide an additional level of service to the green product sector in facilitating an easier understanding of both the hazard and risks associated with any certified products, and is intended to indicate:

- Chemical hazards of both finished product and unique ingredients to a minimum level of 100ppm for final product throughout the product life cycle (including any VOC or other gaseous emissions);
- An assessment of exposure or risk associated with ingredient handling, product use, and disposal in relation to established mitigation and management processes;

It is not intended to assess:

- substances used or created during the manufacturing process unless they remain in the final product; or
- substances created after the product is delivered for end use (e.g., if the product unusually degrades, combusts or otherwise changes chemical composition).

GGT PHDs are only issued to products that have passed GGT Standards' certification requirements. The Level of Assessment (BronzeHEALTH, SilverHEALTH, GoldHEALTH or PlatinumHEALTH) of a PHD rating relates ONLY to a Human Health Toxicity Assessment and is declared separately and not equivalent to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels of LCARate.

1.2 Preparing a PHD

GGT PHDs are prepared in the format of a transparency document which utilizes Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS). Hazard Classifications are then risk assessed with a focus on the In Use stage for an outcome of Certification. Assessments are undertaken by GGT Qualified Exemplar Global Lead Auditors and subsequently accepted for Certification by the GGT Program Director (also a Qualified Exemplar Global Lead Auditor) under the International Standard v4.0/4.1, Personal Products Standard v1.0/1.1, or Cleaning Products Standard v1.1/1.2 and above Program Rules.

1.3 External Peer Review

Every GGT PHD is independently peer-reviewed by an external Consultant Toxicologist and Member of the Australasian College of Toxicology & Risk Assessment.

2.0 Declaration of Ingredients

Where a manufacturer wishes recognition under a rating program that requires transparency of ingredients, such as LEED[®] v4.0 & v4.1, WELL[®] v1.0 & v2.0, Green Star[®] the following information is declared from the audit:






















Colour	Ingredient Hazard Disclosure
Green	Level 4 The hazard level of this ingredient indicates that the ingredient has no toxic hazard statements with no identified health effects.
Yellow	Level 3 The hazard level of this ingredient indicates that the ingredient is mildly toxic and/or has short/medium term reversible health effects.
Orange	Level 2 The hazard level of this ingredient indicates that the ingredient is moderately toxic and/or with a moderate health effects.
Red	Level 1 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects.
Black	Level 0 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects and is banned from being detectable above trace amounts in the final product.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.
Colour	Risk Assessment & In Use Health Assessment Outcome
Green	No Concerns The risk assessment outcomes for the hazard level and percentage of ingredient used in the product after risk assessment is considered highly unlikely and therefore without concerns.
Yellow	Human Health Comment The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low with an unlikely potential risk.
Orange	Issue of Concern or Issue of Concern Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to high with a higher than unlikely potential for risk.
Red	Red Light Comment or Red Light Comment Minimised The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to extremely high with a moderate potential for risk.
Dark Red	Red Light Exclusion The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered medium to extremely high with a likely potential for risk.
Grey	Grey Chemical Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients Level 0 Hazard Level categorised chemicals such as Substances of Very High Concern in the International Standard v4.0/v4.1 and/or Petroleum, Parabens plus a wide range of additional compounds stipulated by the Personal Products Standard v1.0/1.1 and Cleaning Products Standard v1.1/1.2

Global GreenTag International Pty Ltd (Global GreenTag) is not a medical professional organisation. Global GreenTag does not purport to provide medical advice, and makes no warranty, representation, or guarantee regarding the declaration that it provides in relation to any allergies, chemical sensitivities or any other medical condition, nor does Global GreenTag assume any liability whatsoever arising out of the application or use of any product or piece of equipment that has been chemically assessed by Global GreenTag.

The chemical assessments carried out provide transparent information peer reviewed by a consultant toxicologist regarding the chemical make-up and ingredients of certain materials and products, but such assessments are not to be taken as any form of medical assessment or health advice and are not targeted towards providing specific solutions to allergenic conditions or any other type of medical concerns.

Users must carry out their own investigations if they are concerned about specific medical conditions and the impact of certain products or ingredients in relation to specific medical concerns.

Global GreenTag takes no responsibility and is not liable in any way with respect to any medical or health issues arising from a person's use of materials or products that have been chemically assessed by Global GreenTag. Global GreenTag shall not be liable for any direct, indirect, punitive, incidental, special or consequential damages to property or life whatsoever, arising out of or connected with the use or misuse of any materials or products that have been assessed by Global GreenTag.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Filler								
Cellulose Fibre	Filler	70-85%	H317 (Skin Irrit 1), H413 (Aq Chronic 4), H335 (STOT RE 3)	OK				Inhaled cellulose fiber can cause lung cancer under long term occupational exposure. The manufacture follows occupational health and safety and environmental management systems are in place. Due to this conditions, occupational exposure is very unlikely to occur. In use, the product poses no health risks. Cheltemham Factory is ISO 9001,14001 and 45001 certified. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Binder								
Formaldehyde	50-00-0	0.5-2%	H330 (Fatal if inhaled) H311 (Skin contact) H314 (Eye and skin burn) H317 (Skin reaction) H350 (May cause cancer) IARC Group1	OK				The substance may cause damage when in contact with eye/skin.The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltemham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Pentaerythritol	115-77-5	0.5-2%	H319 (Eye irritation) H315 (Skin irritation) H335 (Respiratory irritation)	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Catalyst								
Diethanolamine	111-42-2	0-0.1%	H315 (Skin irritation) H318 (Eye damage) H373 (Organ damage) H361 (Fertility damage)	OK				The substance may cause damage when in contact with eye/skin.The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltemham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Acetic acid glacial	64-19-7	0-0.1%	H314 (Eye and skin burn) H318 (Eye damage) H332 (Harmful if inhaled) H312 (Skin contact)	OK				The substance may cause damage when in contact with eye/skin.The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltemham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Proprietary	Catalyst	0-0.5%	NONE	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Water	Diluent	0.5-1%	NONE	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No

Butanediol diglycidyl ether	Plasticiser	0.01-0.15%	H312 (Skin contact) H332 (Harmful if inhaled) H315 (Skin irritation) H317 (Skin reaction) H319 (Eye irritation)	OK				The substance may cause damage when in contact with skin/eye. The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltemham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Wetting agent								
2methoxymethylethoxy propanol	34590-94-8	0-0.01	H227 (Combustible liquid)	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Ethoxylated C8-6 Alcohol	71243-46-4	0.005-0.02	H302 (Harmful if inhaled) H318 (Eye damage) H400 (Toxic to aquatic life)	OK				The substance may cause damage when in contact with eye and inhaled. The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltemham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Proprietary	Wetting agent	0.025-0.04%	H318 (Eye damage) H302 (Harmful if inhaled) H227 (Combustible liquid) H315 (Skin irritation)	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Binder								
Methyl Formaldehyde resin	9003-08-1	2-5%	NONE	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Plasticiser								
Diethylene glycol	111-46-6	0.05-1%	NONE	OK				The substance may cause damage when in contact with skin or inhaled. The final concentration of the substance is very low and also it does not have direct impact on end-user. Hence, the substance is unlikely to cause hazard to end-user. Cheltemham Factory is ISO 9001,14001 and 45001 certified which reduces the hazardous impact of substance to factory workers. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Phenol Formaldehyde Resin (Postforming PF)	Binder	20-30%	NONE	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No
Electro Beam Cured Resin (EBC)	Resin	0-20%	NONE	OK				Cheltemham Factory is ISO 9001,14001 and 45001 certified. Their is no identifiable risk to end user. Recycled Content: Unknown Nanomaterials: No

Comments:

VOC emissions: Global GreenTag International Program Standard v4.0 Formaldehyde Content Supplementary Standard in accordance with requirements of the Green Building Council of Australia and LEEDv4, as updated from time to time.

VOC content: The total VOC test conducted on 19/05/2020 by CETEC is in complaint to ASTM D5116 -2017 resulted in a mean less than 0.019 mg/m²/hr were the rate limit in complaint to Green Building Council of Australia/Green Star Design & As built v1.3 & Green Star Interiors v1.3 is less than or equal to 0.500mg/m²/hr.

Other relevant information as necessary mentioned.