



Screenwood Modulo Panel

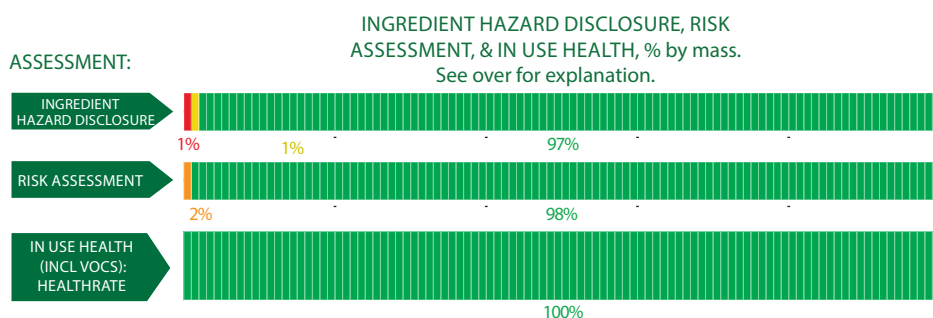
Modulo Panel is manufactured from a E0 MDF (moisture resistant medium density fibreboard) bonded with non-PVC olefin decorative surface film. Modulo Panel tongue and groove boards are designed for interior wall and ceiling lining applications in commercial, retail, education, hospitality and residential projects.

Products/Ranges:	Modulo Panel
Product Stages Assessed:	Whole of life, manufacturing, in-use
CSI Masterformat:	09 78 00
Licenced Site/s:	Kirrawee, NSW, Australia
Licence Number:	SCR:SC01:2021:PH
Licence Date:	17th September 2021
Valid To:	17th September 2024
Standard:	GGT International v4.0
Screening Date:	10th May 2022
PHD URL:	https://www.globalgreentag.com/getfile/12857/phd.pdf



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

- GreenTag Banned List Compliant.
- GreenTag PHD recognized 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, and 'Design & As Built v1.3' and 'Interiors v1.3': Indoor Pollutants.
- Meets IWBI[®] WELL[®] v1.0 as Recognized for Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for Feature 04 (Part 3); Feature 25 (Part 1, 2, 3, 4, 5) , and, meets IWBI[®] WELL[®] v2.0 as Recognized for X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for X01 (Part 1); X05 (Part 2); X06 (Part 2); X07 (Part 2); 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.



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	Ingredient Hazard Disclosure	Risk assessment	In Use Health Assessment	Comment
Trade Essential Craftwood							
Wood	Wood	50-75%	None				The wood used is FSC Certified. Recycled Content: None Nanomaterials: no
Melamine formaldehyde (MF) resin	25036-13-9	10-30%	H319				If exposed to the eyes, the melamine-formaldehyde resin could cause serious eye irritation. Both manufacturer and Supplier have OHS in place. Recycled Content: None Nanomaterials: no
Paraffin Wax	8002-74-2	1-2%	H319				If exposed to the eyes, the Paraffin wax could cause serious eye irritation. Both manufacturer and Supplier have OHS in place. Recycled Content: None Nanomaterials: no
Formaldehyde	50-00-0	< 0.1%	IARC1, H311 H301 H317 H314 H331 H351 H318 H341 H350 H330 H335				If exposed to the skin, eyes, and respiratory system, Formaldehyde can cause harm and allergic reaction to the skin and eyes. It is also toxic if inhaled, may cause cancer, and is suspected of causing genetic defects. This substance is bound inside the MDF during manufacturing and only exists in a very low amount. It is unlikely that the worker is exposed to the hazard. Laminex Trade Essential is tested for its formaldehyde emission based on AS/NZS 4266.16:2004. It passes this test with a formaldehyde emission of 0.37 mg/ L. This fact plus onsite audit has shown that there is very low risk that workers will be exposed to formaldehyde during manufacture. Both manufacturer and Supplier have OHS in place. Recycled Content: None Nanomaterials: no
Customwood MDF							
Paraffin Wax	8002-74-2	1-2%	H319				If exposed to the eyes, the Paraffin wax could cause serious eye irritation. Both manufacturer and Supplier have OHS in place. Recycled Content: None Nanomaterials: no
Softwood(s)	Wood	50-75%	None				The wood is COC certified. Recycled Content: None Nanomaterials: no
Moisture (Water)	7732-18-5	10-20%	None				The substance is Non-Hazardous. Recycled Content: None Nanomaterials: no
Melamine formaldehyde (MF) resin	25036-13-9	10-15%	H319				If exposed to the eyes, the melamine-formaldehyde resin could cause serious eye irritation. Both manufacturer and Supplier have OHS in place. Recycled Content: None Nanomaterials: no

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Hazard Disclosure	Risk assessment	In Use Health Assessment	Comment
Formaldehyde	57-13-6	< 0.1%	IARC1, H311, H301, H317, H314, H331, H351, H318, H341, H350, H330, H335				<p>If exposed to the skin, eyes, and respiratory system, Formaldehyde can cause harm and allergic reaction to the skin, eyes, and respiratory system. It may cause cancer and is suspected of causing genetic defects.</p> <p>This substance is bound inside the MDF during manufacturing and only exists in a very low amount. It is unlikely that the worker is exposed to the hazard.</p> <p>Customwood MDF Product certified by EWPA and classified as E0 (Emission limit: <0.5 mg/l) and E1 (Emission limit: <1 mg/l) for their formaldehyde emission. This fact plus onsite audit has shown that there is very low risk that workers will be exposed to formaldehyde during manufacture.</p> <p>The final product (Modulo Panel by Screenwood) is also tested for VOC emission and Formaldehyde emission by NATA Accredited Laboratory. Please refer to the comment section on page 5 to see the test method and test result.</p> <p>Both manufacturer and Supplier have OHS in place.</p> <p>Recycled Content: None Nanomaterials: no</p>
Non-PVC olefin surface film							
Non-PVC olefin surface film	Outer Cover	5-10%	None				<p>The material is declared Non-Hazardous</p> <p>Recycled Content: None Nanomaterials: no</p>
Adhesive							
Diphenylmethane-4,4'-diisocyanate	101-68-8	0-0.1%	H334, H351, H373, H332, H315, H319, H317, H335				<p>If exposed to the skin, eyes, and respiratory system, The substance may cause allergy or asthma symptoms, skin irritation, eye irritation, respiratory irritation, and damage to the organ. It is also Suspected of causing cancer.</p> <p>However, the concentration of the substance in the final product is very low, and it is unlikely that the end-user is exposed to this substance. The adhesive is applied inside and covered by the outer sheet, and therefore, it is not exposed to the end-user.</p> <p>The manufacturer and supplier have OHS In place, and PPE is required during the manufacturing process. The adhesive supplier is ISO9001, ISO14001, and ISO50001 certified.</p> <p>Recycled Content: None Nanomaterials: no</p>
Remaining substances	Adhesives	0-1%	None				<p>The Material is declared Non-Hazardous</p> <p>Recycled Content: None Nanomaterials: no</p>

GHS Classification:
H301: Acute Toxicity 3 (Oral)
H311: Acute Toxicity 3 (Dermal)
H314: Skin corrosion/irritation 1
H315: Skin Irritation 2
H317: Skin Sensitization 1

H318: Eye irritation 1
H319: Eye Irritation 2A
H330: Acute Toxicity 2 (Inhalation)
H331: Acute Toxicity 3 (Inhalation)
H332: Acute Toxicity 4 (Inhalation)
H334: Respiratory Sensitization 1
H335: Specific Target Organ Toxicity, Single Exposure 3
H341: Germ cell mutagenicity 2
H350: Carcinogenicity 1
H351: Carcinogenicity 2
H373: Specific Target Organ Toxicity, Repeated Exposure 2
H413: Aquatic Toxicity 4

Comments:

VOC and Formaldehyde emissions: Meet Green Building Council of Australia Standard & Greenstar standard requirement.

Test Method: ASTM D5116-2017 "Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Material/Products".

TVOC emission rate of 0.008 mg/m²/hr

Formaldehyde Emission Rate of 0.091 mg/m²/hr