



## Screenwood Modulo Panel

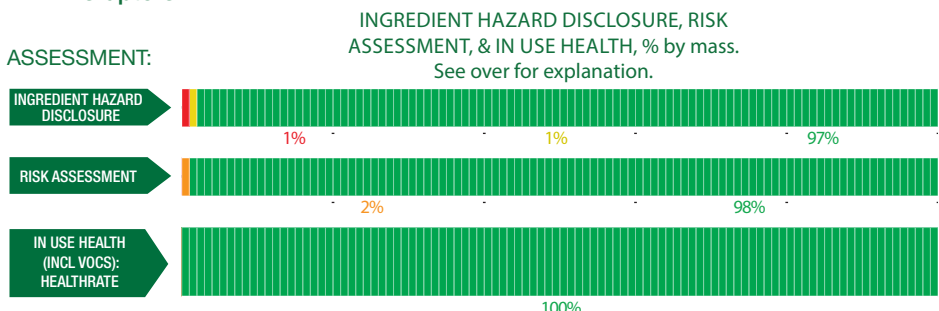
Modulo Panel is manufactured from a E0 MDF (moisture resistant medium density fibreboard) bonded with non-PVC olefin decorative surface film. Modulo Panel tongue and groove boards are designed for interior wall and ceiling lining applications in commercial, retail, education, hospitality and residential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

<b>Products/Ranges:</b>	<b>Modulo Panel</b>
<b>Product Stages Assessed:</b>	<b>Whole of life, manufacturing, in-use</b>
<b>CSI Masterformat:</b>	<b>09 78 00</b>
<b>Licenced Site/s:</b>	<b>Kirrawee, NSW, Australia</b>
<b>Licence Number:</b>	<b>SCR:SC01:2021:PH</b>
<b>Licence Date:</b>	<b>17th September 2021</b>
<b>Valid To:</b>	<b>17th September 2023</b>
<b>Standard:</b>	<b>GGT International v4.0</b>
<b>Screening Date:</b>	<b>10th May 2022</b>
<b>PHD URL:</b>	<b><a href="https://www.globalgreentag.com/getfile/12857/phd.pdf">https://www.globalgreentag.com/getfile/12857/phd.pdf</a></b>



<b>PHD Summary</b>	<b>Inventory Threshold:</b>	<b>Inventory Method:</b>
Percentage Assessed: <b>100%</b>	<b>100ppm Product Level</b>	<b>Nested Materials</b>

- GreenTag Banned List Compliant
- Meets Indoor Air Quality VOC emission requirements, for Green Star, LEED & BREEAM
- Product Meets Optimisation requirements - No Grey or Red Light category ingredient
- Meets Green Star Buildings v1.0 Credit 9: Responsible Finishes (Good Practice), Credit 13: Exposure to Toxins, Green Star Design & As Built v1.3 Credit 13 Indoor Pollutant, Green Star Interiors v1.3 Credit 12: Indoor Pollutant.
- Meets USGBC LEED® v4.0 and v4.1 Rating System MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 2 - International ACP - REACH Optimization
- Meets WELL™ v1.0 Features - 11: Fundamental Material - Part 1c, 26: Enhanced Material Safety, 97: Material Transparency and WELL™ v2.0 Features – X07: Material Transparency (Part 1 & 3), X08: Material Optimisation (Part 1 & 2), X06: VOC Restrictions (Part 2)
- No worker user, and environmental exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.



Declared by:  
Global GreenTag  
International Pty Ltd

David Baggs  
CEO & Program Director  
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 risk 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 each homogeneous ingredient 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:

- i. substances used or created during the manufacturing process unless they remain in the final product; or
- ii. 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) rating relates ONLY to GGT Standard Sustainability Assessment Criteria 3, and is declared separately to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels.

## 1.2 Preparing a PHD

GGT PHDs are prepared using Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and as an outcome of a successful Application for 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 GGT International Standard v4.0, Personal Products Standard v1.0, and Cleaning Products Standard v1.0 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 Australian 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, Living Building Challenge, Estidama etc., the following information is declared from audit:

Colour	Ingredient Name
Green	<b>Ideal- Low</b> No concerns- Ingredient safe at any level based on current known science, % of the ingredient, and relevance to use context.
Yellow	<b>Medium to Low</b> Hazardous Ingredient with minor level of "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context.
Orange	<b>Moderate</b> Hazardous Ingredient with "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context.
Red	<b>Problematic (Red): Target for Phase</b> Hazardous Ingredient with "Red Light" Concern depending on % of the ingredient, hazard level, and relevance to use context.
Grey	<b>Uncategorised</b> Not able to be categorised due to lack of toxicity impact information.
Black	<b>Banned Ingredients</b> POPs, SVHCs plus a wide range of compounds depending on specific Standard requirements.

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 Assessment	Whole Of Life 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-Hazarduous.  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 Assessment	Whole Of Life 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: &lt;0.5 mg/l) and E1 (Emission limit: &lt;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/m<sup>2</sup>/hr

Formaldehyde Emission Rate of 0.091 mg/m<sup>2</sup>/hr