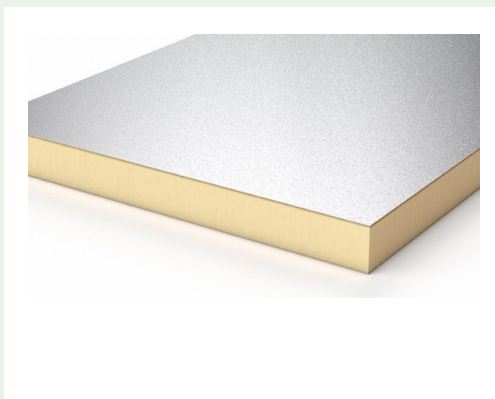




Conqueror NZ Ltd

PIR Insulated Board Embossed Foil

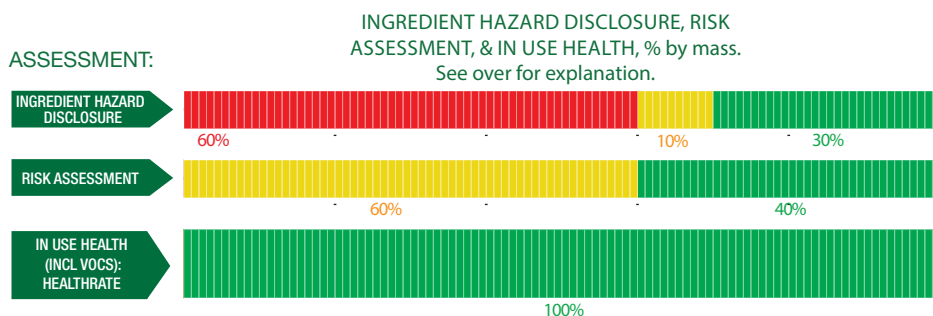
Conqueror NZ is New Zealand's only manufacturer of PIR foam core panel products on a continuous line. Suitable for use in new commercial and residential buildings, extensions, and renovations, delivering high thermal performance, fire resistance, and moisture repellent properties with some of the thinnest possible solutions. Products are manufactured in New Zealand from mostly locally sourced materials, and this results in more dependable lead times and reliable pricing.



Products/Ranges:	PIR Insulated Board Embossed Foil
Product Stages Assessed:	Whole of life
CSI Masterformat:	07 20 00
Licensed Site/s:	Yaldhurst Christchurch, New Zealand
Licence Number:	CNZ:CN02:2021:PH
Licence Date:	15/06/2022
Valid To:	15/06/2023
Standard:	GGT International v4.0
Screening Date:	15/06/2022
PHD URL:	https://www.globalgreentag.com/getfile/13077/phd.pdf

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

- 🔍 GreenTag Banned List Compliant and Product Meets Optimisation requirements - No Grey or Red Light category ingredient
- 🔍 Meets GreenStar® New Zealand 'Design and As Built v1' and 'Interiors v1' Rating Tools Credits: Credit 21 Sustainable Products (Greenrate Certificate Available).
- 🔍 Meets GreenStar® New Zealand 'Education, Office and Industrial v3' and 'Office Interior v3 (Legacy Tool): MAT-3 Sustainable Material (Greenrate Certificate Available).
- 🔍 Meets New Zealand Homestar® v4.0 Rating Tool: MAT-1 Sustainable Material (Greenrate Certificate Available).
- 🔍 Meets USGBC LEED® v4.0 and v4.1 Option 2 - International ACP - REACH Optimization.
- 🔍 Meets WELL™ v1.0 Feature 11 Part 1c, Feature 25 Part 1 & 5, Feature 26 Part 1, Features 97.
- 🔍 Meets WELL™ v2.0 Precondition Material Restriction Part 1, X07: Material Transparency (Part 1 & 3) and X08: Material Optimisation (Part 1 & 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:

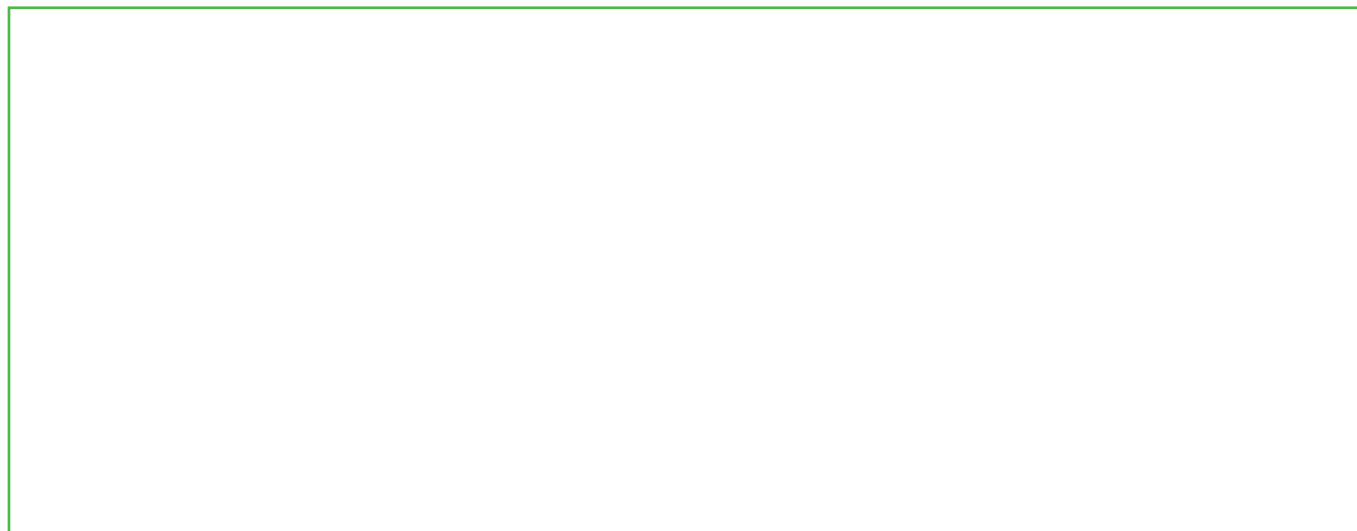
Colour	Ingredient Name
Green	Ideal- Low No concerns- Ingredient safe at any level based on current known science, % of the ingredient, and relevance to use context.
Yellow	Medium to Low Hazardous Ingredient with minor level of "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context.
Orange	Moderate Hazardous Ingredient with "Issue of Concern" depending on % of the ingredient, hazard level, and relevance to use context.
Red	Problematic (Red): Target for Phase Hazardous Ingredient with "Red Light" Concern depending on % of the ingredient, hazard level, and relevance to use context.
Grey	Uncategorised Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients 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
Polyol							
Triethyl phosphate	78-40-0	1-5%	H302, H319				<p>If exposed to the eyes, the unreacted substance can cause eye irritation. It is also harmful if swallowed.</p> <p>In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel.</p> <p>The manufacturer has OHS in place and a chemical handling policy.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Polyether polyol	25084-89-3	1-5%	H317, H319, H412				<p>The substance can cause eye and skin irritation. The manufacture have OHS in place.</p> <p>The substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel, the chance of it being released under normal condition is non-existent.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
TCPP	13674-84-5	1-5%	None				<p>There is no identifiable risk to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Diethylene glycol	111-46-6	1-5%	H302				<p>The substance is harmful if swallowed.</p> <p>In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel.</p> <p>The manufacturer has OHS in place and a chemical handling policy.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Lactic acid	50-21-5	1-5%	None				<p>There is no identifiable risk to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Potassium 2-ethylhexanoate	3164-85-0	1-5%	H315, H361, H318				<p>If exposed to the eyes and skin, the unreacted substance can cause eye damage and skin irritation. The substance is also suspected of damaging fertility or the unborn child.</p> <p>In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel.</p> <p>The manufacturer has OHS in place and a chemical handling policy.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Aromatic Polyester Polyol	9016-88-0	15-20%	None				<p>There is no identifiable risk to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Catalyst							

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
Polyether polyol	25791-96-2	0.1-1%	None				There is no identifiable risk to the end-user. Recycled Content: None Nanomaterials: unknown
1,3,5-Tris[3-(dimethylamino)propyl]hexahydro-1,3,5-triazine	15875-13-5	0.1-1%	H318, H312, H315				If exposed to the eyes and skin, the unreacted substance can cause eye damage and skin irritation. The substance is also harmful to aquatic life if released to aquatic environment. In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel. The manufacturer has OHS in place and a chemical handling policy. Recycled Content: None Nanomaterials: unknown
Triethyl phosphate	78-40-0	0.1-1%	H302, H319				If exposed to the eyes, the unreacted substance can cause eye irritation. It is also harmful if swallowed. In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel. The manufacturer has OHS in place and a chemical handling policy. Recycled Content: None Nanomaterials: unknown
Potassium 2-ethylhexanoate	3164-85-0	0.1-1%	H315, H361, H318				If exposed to the eyes and skin, the unreacted substance can cause eye damage and skin irritation. The substance is also suspected of damaging fertility or the unborn child. In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel. The manufacturer has OHS in place and a chemical handling policy. Recycled Content: None Nanomaterials: unknown
Diethylene glycol	111-46-6	0.01-0.1%	H302				There is no identifiable risk to the end-user. Recycled Content: None Nanomaterials: unknown
Additive							

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
Polyether polyol	25084-89-3	0.1-0.5%	H317, H319, H412				<p>If exposed to the eyes and skin, the unreacted substance can cause eye and skin irritation. The substance is also harmful to aquatic life if released to aquatic environment.</p> <p>In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel.</p> <p>The manufacturer has OHS in place and a chemical handling policy.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Triethyl phosphate	78-40-0	0.01-0.1%	H302, H319				<p>If exposed to the eyes, the unreacted substance can cause eye irritation. It is also harmful if swallowed.</p> <p>In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel.</p> <p>The manufacturer has OHS in place and a chemical handling policy. Recycled Content: None Nanomaterials: unknown</p>
Propane-1,2-diol, propoxylated	25322-69-4	0.01-0.1%	None				<p>There is no identifiable risk to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Water	7732-18-5	0.01-0.1%	None				<p>There is no identifiable risk to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Blowing agent							
N Pentane	109-66-0	1-5%	H304, H411, H225, H336				<p>The unreacted substance is toxic to aquatic life. The manufacture have a waste treatment and Environmental Management System in place.</p> <p>In use, substance pose no risk of exposure to end user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
C-Pentane	287-92-3	0.01-0.1%	H412, H225				<p>The unreacted substance is toxic to aquatic life. The manufacture have a waste treatment and Environmental Management System in place.</p> <p>In use, substance pose no risk of exposure to end user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
I-Pentane	78-78-4	<0.01%	None				<p>There is no identifiable risk to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>

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
Pre-Polymer							
Diphenylmethane diisocyanate, polymeric	9016-87-9	50-60%	IARC 3, H319, H332, H315, H334, H335, H351, H373, H317				<p>If exposed to the skin, eyes, and respiratory system, the unreacted substance can cause eye, respiratory, and skin irritation. The substance is not classifiable as carcinogenic to humans.</p> <p>In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel.</p> <p>The manufacturer has OHS in place and a chemical handling policy.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
4,4'-methylenedi-phenyl diisocyanate	101-68-8	25-35%	IARC 3, H319, H332, H315, H334, H335, H351, H373, H317				<p>If exposed to the skin, eyes, and respiratory system, the unreacted substance can cause eye, respiratory, and skin irritation. The substance is not classifiable as carcinogenic to humans.</p> <p>In use, the substance poses no risk of exposure to the end-user as the substance is cured and embedded inside the polyurethane foam. The polyurethane foam is fully covered with galvanized steel.</p> <p>The manufacturer has OHS in place and a chemical handling policy.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
2,4'-methylenedi-phenyl diisocyanate	5873-54-1	1-10%	None				<p>There is no identifiable risk to the end-user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Embossed Foil 1							
Aluminium (Al)	7429-90-5	5-10%	H228, H261				<p>The unreacted substance can release flammable gas when in contact with water, and it is flammable.</p> <p>The substance is bond into with all the other elements through a metallic bond to form aluminum foil.</p> <p>In this form, the material is non hazardous</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Silicone (Si)	7440-21-3	0.01-0.1%	None				<p>There is no identifiable risk to end user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Iron (Fe)	7439-89-6	0.01-0.1%	None				<p>There is no identifiable risk to end user.</p> <p>Recycled Content: None Nanomaterials: unknown</p>
Embossed Foil 2							
Aluminium (Al)	7429-90-5	5-10%	H228, H261				<p>The unreacted substance can release flammable gas when in contact with water, and it is flammable.</p> <p>The substance is bond into with all the other elements through a metallic bond to form aluminum foil.</p> <p>In this form, the material is non hazardous</p> <p>Recycled Content: None Nanomaterials: unknown</p>

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
Iron (Fe)	7439-89-6	0.01-0.1%	None				There is no identifiable risk to end user. Recycled Content: None Nanomaterials: unknown
Silicone (Si)	7440-21-3	0.01-0.1%	None				There is no identifiable risk to end user. Recycled Content: None Nanomaterials: unknown

GHS Classification reference:

H228: Flam. Sol 1	H319: Eye Irrit. 2
H261: Water React 2	H332: Skin Irrit. 2
H302: Acute Tox. 4	H334: STOT SE. 3
H304: Asp Tox. 1	H351: Carc. 2
H312: Acute Tox. 4	H361: Repr. 2
H315: Skin Irrit. 2	H373: STOT RE. 2
H317: Skin Sens. 1	H411: Aquatic Chronic 2
H318: Eye Dam. 1	H412: Aquatic Chronic 3

Comments:

NO VOC TEST COMPLETED