GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

GLOBAL GREENTAG HEALTH RATE
Platinum HEALTH
trust brands™
Asthma & Allergy Sensitive™

Winstone Wallboards Ltd

GIB® Standard, Fyreline®, Braceline®, Noiseline®, Toughline®, Wideline® Plasterboard

GIB® Standard, GIB Fyreline®, GIB Braceline®, GIB Noiseline®, GIB Toughline®, GIB Wideline® are plasterboard made up of naturally occurring gypsum, paper and other ingredients which includes glues and additives to improve the quality of the finished board.

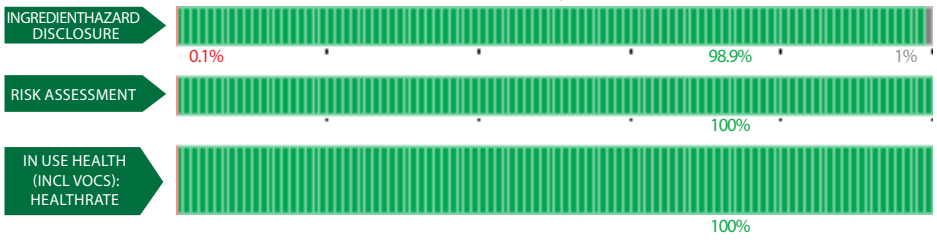
Products/Ranges:	GIB® Standard, Fyreline®, Braceline®, Noiseline®, Toughline®, Wideline® Plasterboard
Product Stages Assessed:	Whole of life +re-use potential
CSI Masterformat:	092200
Licenced Site/s:	Auckland, New Zealand
Licence Number:	WWL:GI02:2021:PH
Licence Date:	15th October 2021
Valid To:	15th October 2024
Standard:	GGT International v4.0
Screening Date:	15th October 2021
PHD URL:	www.globalgreentag.com/certificate/2566

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
- Meets IWBI ® WELL™ v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for ~ Feature 11 (Part 1); Feature 25 (Part 4) , 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 1, 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.
- Highly unlikely worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

ASSESSMENT:

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



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:

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) 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

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Gypsum								
Quartz	14808-60-7	0.01-0.1%	H373, H372, H350	OK				Outcome: The substance can cause damage to organ through prolonged and repeated exposure, and carcinogenic. In use, the substance is bound and unlikely to expose any hazard. During manufacturing, the hazard can occur. The manufacture has OHS in place and PPE is required while handling the substance. Recycled Content: None Nanomaterials: unknown
Calcium Sulphate Dihydrate	10101-41-4	90-95%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Calcium Carbonate	471-34-1	1-10%	H315, H319	OK				Outcome: The substance can cause skin & eyes irritation. In use, the substance is bound and unlikely to expose any hazard. During manufacturing, the hazard can occur. The manufacture has OHS in place and PPE is required while handling the substance. Recycled Content: None Nanomaterials: unknown
Propriety								
Propriety	Filler	0.01-0.1%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Propriety								
Propriety	Filler	0.1-1%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Water	7732-18-5	0.01-0.1%	None	OK				Outcome: No comment Recycled Content: None Nanomaterials: unknown
Propriety								
Propriety	Filler	0.01-1%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Propriety								
Propriety	Filler	<0.01%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Propriety	Filler	<0.01%	None	OK				Outcome: No comment Recycled Content: None Nanomaterials: unknown
Cellulose Fibre								
Cellulose pulp	659965-61-4	1-5%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Starch	9005-25-8	0.1-1%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assessment	Whole Of Life Assessment	In Use Health Assessment	Comment
Inorganic / mineral loading	Inorganic material	0.1-1%	None	OK				Outcome: No Hazard Declared Recycled Content: None Nanomaterials: unknown
Proprietry		0.1-1%	None	OK				Outcome: No Hazard Declared Recycled Content: None Nanomaterials: unknown
Fibreglass								
Fibreglass	65997-17-3	0.1-1%	IARC3	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Propriety								
Propriety	Propriety	0.1-1%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Vermiculite								
Vermiculite	1318-00-9	1-5%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Ellestadite	12415-31-5	0.1-1%	None	OK				Outcome: Their is no identifiable risk to end user Recycled Content: None Nanomaterials: unknown
Mica	12001-26-2	0.1-1%	None	OK				Outcome: No Hazard Declared Recycled Content: None Nanomaterials: unknown
Augite	12172-80-4	0.1-1%	None	OK				Outcome: No Hazard Declared Recycled Content: None Nanomaterials: unknown
Edge Adhesive								
Edge Adhesive	Adhesive	0.01%	None	OK				Outcome: No Hazard Declared Recycled Content: None Nanomaterials: unknown

Asthma Allergy

The product in use doesn't trigger any asthma allergy. However, during the cutting and grinding process when dust is generated. It can potentially trigger Asthma allergy.

Notes:

H315 : Skin Irrit. 2
H319 : Eye Irrit. 2
H350 : Carc. 1A
H372 : STOT RE 1
H373 : STOT RE 2
IARC3: Not classifiable as to its carcinogencity to human.

Comments:

VOC emissions are tested by CETEC based on "ASTM D5116" test method.
All product meets Greentag and Declare requirement.
Test Results:
TVOC (GIB® Plasterboard) : 0.186 mg/m3
TVOC (GIB Fyreline®) : 0.111 mg/m3
TVOC (GIB Braceline®/GIB Noiseline®) : 0.111 mg/m3