



Island Block & Paving

Freestone Eco Retaining Wall System

Island Block & Paving's Freestone Eco Retaining Wall System are manufactured with recycled glass aggregate, which is a by-product derived from recycled glass container bottles.

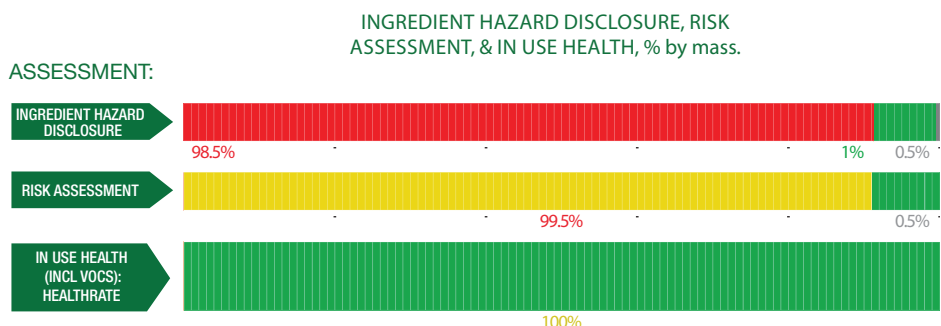


Products/Ranges:	Freestone Eco Retaining Wall System
Product Stages Assessed:	Raw material, manufacturing, in-use
CSI Masterformat:	04 21 13 Brick Masonry
Licensed Site/s:	Tasmania, Australia
Licence Number:	IBP- 001-B-2019
Licence Date:	18th October 2019
Valid To:	18th October 2020
Standard:	GGT International v4.0
Screening Date:	18th October 2019
PHD URL:	globalgreentag.com/wp-content/uploads/2019/11/191107_IBP_Freestone Eco Retaining Wall_PHD_Secured_v2

This PHD ceases currency when original GreenTag GreenRate certification expires or is revoked. Please check www.globalgreentag.com for currency. [Note disclaimer over.](#)

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

- 📍 GreenTag Banned List Compliant
- 📍 Meets LEED® v4.0 and v4.1 credit MR: Building product disclosure and optimization - material ingredients - Option 1 and Option 2
- 📍 Meets WELL™ v1.0 Features - 11: Fundamental Material - Part 1c, 26: Enhanced Material Safety, 97: Material Transparency and WELL™ v2.0 Features - X01: Fundamental Material Precautions - Part 1c, X10 Volatile Compound Reduction, X13: Enhanced Material Precaution, X14: Material Transparency
- 📍 Low worker exposure to Carcinogens, Mutagens, Reproductive Toxicants or Endocrine Disruptors
- 📍 Low user exposure to Carcinogens, Mutagens, Reproductive Toxicants 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:

- 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) 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 Comment required
Yellow	Medium to Low No Comment, or 'Issue of Concern' required depending on % of ingredient.
Orange	Moderate 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Limit 10%
Red	Problematic (Red): Target for Phase 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Strict Upper Limit of 1%
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 (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Natural Sand							
Crystalline Silica	14808-60-7	54-60%	STOT RE 1, STOT RE 2, Carc. 1A, Acute Tox. 4				The risks associated with crystalline silica relates only to inhaled dust. The manufacturer of bricks/blocks/pavers are AS/NZS 4801: 2001 OH&S Management Systems and are hence independently certified for safe work conditions. Once the ingredients are mixed, set and installed, any risk to end-users is virtually non-existent. In a workplace context, when such products are cut, drilled, abraded, polished or crushed, an approved dust mask or air filtration is required. Recycled Content: None Nanomaterials: No

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Post-consumer recycled glass							
Crystalline Silica	14808-60-7	36-40%	STOT RE 1, STOT RE 2, Carc. 1A, Acute Tox. 4				<p>The risks associated with crystalline silica relates only to inhaled dust. The manufacturer of bricks/blocks/pavers are AS/NZS 4801: 2001 OH&S Management Systems and are hence independently certified for safe work conditions. Once the ingredients are mixed, set and installed, any risk to end-users is virtually non-existent. In a workplace context, when such products are cut, drilled, abraded, polished or crushed, an approved dust mask or air filtration is required.</p> <p>Recycled Content: Post-consumer recycled Nanomaterials: No</p>
General Purpose Cement							
Portland Cement Clinker	65997-15-1	7-10%	Skin Irrit. 2, Skin Sens. 1B, Skin Sens. 1B, STOT SE 3				<p>The routes of exposure to risks are dermal contact and inhalation. The manufacturer of bricks/blocks/pavers are AS/NZS 4801: 2001 OH&S Management Systems and are hence independently certified for safe work conditions. Once the ingredients are mixed, set and installed, any risk to end-users is virtually non-existent. In a workplace context, when such products are cut, drilled, abraded, polished or crushed, personal protection equipments are required.</p> <p>Recycled Content: None Nanomaterials: No</p>
Gypsum	7778-18-9	0.5-1%	None				Recycled Content: None Nanomaterials: No
Limestone	1317-65-3	0.5-1%	None				Recycled Content: None Nanomaterials: No
Fly ash	68131-74-8	0.5-1%	None				Recycled Content: None Nanomaterials: No
Magnesium Oxide	1309-48-4	0.5-1%	None				Recycled Content: None Nanomaterials: No
Ground Blast Furnace Slag	65996-69-2	0.1-0.5%	None				Recycled Content: None Nanomaterials: No
Crystalline Silica	14808-60-7	0.05-0.1%	STOT RE 1, STOT RE 2, Carc. 1A, Acute Tox. 4				<p>The risks associated with crystalline silica relates only to inhaled dust. The manufacturer of bricks/blocks/pavers are AS/NZS 4801: 2001 OH&S Management Systems and are hence independently certified for safe work conditions. Once the ingredients are mixed, set and installed, any risk to end-users is virtually non-existent. In a workplace context, when such products are cut, drilled, abraded, polished or crushed, an approved dust mask or air filtration is required.</p> <p>Recycled Content: No Nanomaterials: No</p>
Colourant							
Declaration	Pigment	0.1-0.5%	None				Recycled Content: None Nanomaterials: Unknown

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	Ingredient Assessment (Raw)	Whole Of Life Assessment	In Use Health Assessment	Comment
Block Emulsion Liquid							
Mixture	Water repellent	0.08-0.1%	Skin Irrit. 2, Eye Irrit. 2, Flammable				The routes of exposure to risks are dermal contact and inhalation. The manufacturer of bricks/blocks/pavers are AS/NZS 4801: 2001 OH&S Management Systems and are hence independently certified for safe work conditions. Once the ingredients are mixed, set and installed, any risk to end-users is virtually non-existent. Recycled Content: None Nanomaterials: No
Declaration	Additive	0.01-0.05%	None				Recycled Content: None Nanomaterials: Unknown
Masonry admixture							
Declaration	Additive	<0.01%	None				Recycled Content: None Nanomaterials: Unknown
Sodium dodecylbenzene sulfonate	25155-30-0	<0.01%	Eye Dam. 1, Carc. 2, Skin Irrit. 2				The routes of exposure to risks are dermal contact and inhalation. The manufacturer of bricks/blocks/pavers are AS/NZS 4801: 2001 OH&S Management Systems and are hence independently certified for safe work conditions. Once the ingredients are mixed, set and installed, any risk to end-users is virtually non-existent. Recycled Content: None Nanomaterials: No
Comment: Chromium VI is a trace impurity in portland cement. According to the lab analysis report, the amount is below 2ppm.							