

PHD™

Product Health Declaration

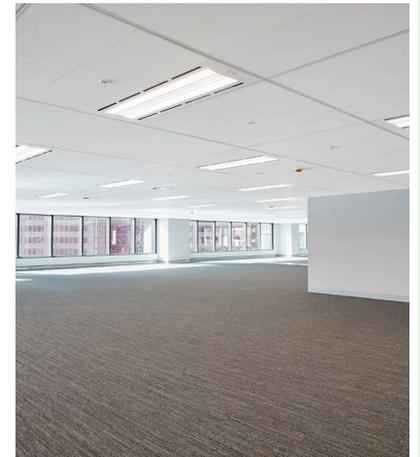


MBS Architectural

Apollo eMineral

MBS Architectural Apollo eMineral Tiles are ceiling panels used in commercial, education and healthcare buildings. They are covered for end-of-life recycling through the MBS Architectural product stewardship program and a 15-year warranty.

Products/Ranges:	Astrid, Cleanshield, Sirocco, Stellar, Summit and Medishield
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Acoustic Ceilings
CSI Masterformat:	09 51 00 Acoustical Ceilings
Licenced Site/s:	Anhui Province, China
Licence Number:	MBS:AN01:2026:PH
Licence Date:	27 February 2026
Valid To:	02 February 2027
Standard:	GGT International v4.1
Screening Date:	18 December 2025
PHD URL:	https://www.globalgreentag.com/certificate/3083



PHD Summary

Percentage Assessed: **100%**

Inventory Threshold:

100ppm Product Level

Inventory Method:

Nested Materials

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL™ & LEED™ Material Transparency & Optimization credits included below:
- 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 2, 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 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.

ASSESSMENT:



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 GreenTag 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	REACH Compliance	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Material: Slag								
Slag Fibre	Insulator	50-70%	None	OK				<p>The supplier has declared no hazards for this substance. If broken during use phase the slag wool can form irritants for inhalation, however the risk is considered low since the breaking of the tile and release of high amounts of substance that would trigger an Issue of Concern is unlikely. There are No Issues of Concern for this substance In-Use.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Material: Perlite Sand								
Perlite Sand	93763-70-3	15-30%	H319, H335, H372	OK				<p>The principal hazards are those to eye and respiratory system during In-Use Phase. If a tile is broken then perlite particles could be released. However, this even is unlikely and there are no carcinogenic, mutagenic or reproductive toxicity hazards identified for this substance. There are no Issues of Concern for the substance In-Use.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Material: Starch								
Amylodextrin	9005-84-9	5-15%	None	OK				<p>There are no identified hazards during In-Use Phase. If a tile is broken then the Amylodextrin could release and form mild inhalation irritation. However, this is unlikely and the risk is low. There are no Issues of Concern for the substance In-Use.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Material: Waste Newspaper								
Waste Newspaper	Filler	5-15%	None	OK				<p>The supplier has declared no hazards for this substance. If during the unlikely event the mineral tile is broken during use phase the newspaper is considered to have negligible risk as a toxic contaminant. There are No Issues of Concern for this substance In-Use.</p> <p>Recycled Content: 100% Post-Consumer Nanomaterials: Unknown</p>
Material: Vinyl Paint								
Vinyl Paint	Colour coat	5-15%	None	OK				<p>Formaldehyde is used in a concentration lower than 0.1% in the paint. The product has VOC testing which demonstrates Formaldehyde emissions are below 0.08 mg/m3. A regulatory limit adopted in the EU in 2023. There are no identified Issues of Concern.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>

Material: Flame-Retardant Polymer Film

Flame-Retardant Polymer Film	Film	1-5%	None	OK				<p>The supplier has declared no hazards for this substance. If during the unlikely event the mineral tile is broken during use phase the fiberglass with flame-retardant film is considered to have moderate risk as a toxic contaminant, however amounts would unlikely release an amount with an Issue of Concern. There are No Issues of Concern identified for this substance In-Use.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
------------------------------	------	------	------	----	---	--	---	--

* No GHS H-Statement classification

Comments:

The key products which represent this range have been tested for VOC emissions under ASTM D5116-17 in August 2024 and their Total VOC emissions are compliant with the Green Building Council of Australia's Maximum TVOC limits for Tenancy Fitout Items below the 0.5 mg/m²/h limit.