GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

GLOBAL GREENTAG HEALTH RATE
CERT TM
Platinum HEALTH
trust brands™

Alfa Soundspace & Design SDN BHD
Estic Acoustic Panel - 9mm

Alfa Soundspace's Estic Acoustic Panel is manufactured from non-woven PET (Poly-ethylane Terephthalate). It contains 50% post-consumer recycled content, and it is low in VOC. It can be applied for both wall and ceilling treatment.

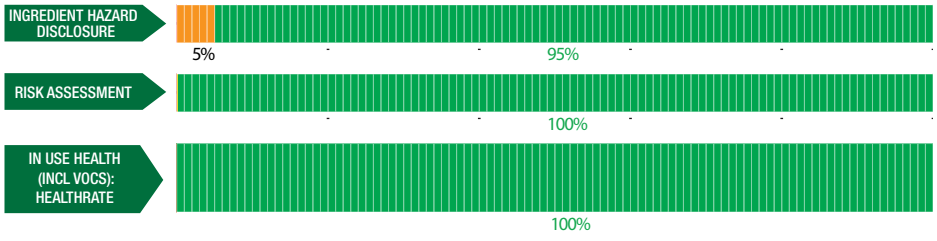
Products/Ranges:	Estic Acoustic Panel - 9mm
Product Stages Assessed:	Whole of life +re-use potential
Product Type:	Wall and Ceiling Panel
CSI Masterformat:	09 80 00
Licenced Site/s:	Shanghai, China
Licence Number:	ASD:AP01:2022:PH
Licence Date:	31 January 2022
Valid To:	31 January 2024
Standard:	GGT International v4.0
Screening Date:	17 January 2023
PHD URL:	https://www.globalgreentag.us/getfile/12405/phd.pdf

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

- GreenTag Banned List Compliant.
- Meets "Green Cleaning" requirements for Green Star ®.
- Meets Indoor Air Quality VOC emission requirements, for Green Star, LEED & BREEAM.
- GreenTag PHD recognized by WELL™ and LEED ® Material Transparency & Optimization credits included below:
- Meets GreenStar ® 'Buildings v1.0' recognized for Credit 9: Responsible Finishes.
- Meets IWBI WELL™ v1.0 as recognized for Feature 25: Toxic Material Reduction(Part1,4); Feature 26: Enhanced Material Safety; Features 97: Material Transparency(Part1) and WELL™ v2.0 as a compliant etchnical document(Audited) for Features –X07(Part1,3): Material Transparency, X08: Material Optimisation(Part 2).
- Meets USGBC LEED® v4.0 and v4.1 Rating System EQ Credit: 'Low-Emitting Materials'; MR Credit: "Building Product Disclosure and Optimisation - Material Ingredients" - Option 1: Material Ingredient Reporting and Option 2 - International ACP - REACH Optimisation.
- Highly unlikely worker, user, and environmental exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

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

ASSESSMENT:



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 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) 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 an 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 Personal Products Standard v1.0/1.1, and 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 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 & v4.1, WELL v1 & v2, 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" or "Issue of Concern Minimised" depending on % of the ingredient, hazard level, and relevance to use context'
Red	**Problematic (Red): Target for Phase** Hazardous ingredient with 'Red Light" or "Red Light Minimised" concern depending on % of the ingredient, hazard level, and relevance to use context'
Dark Red	**Very Problematic (Dark Red): Target for Phase** Very Hazardous ingredient with 'Red Light Exclusion" 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** Petroleum, Parabens plus a wide range of compounds stipulated by cleaning/personal products standards.

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
Material: White virgin flame-retardant fibre								
Polyethylene Tere-phthalate	25038-59-9	50%	*	OK				Comment for HealthRate assessment: Recycled Content: None Nanomaterials: No
Propanoic acid	14657-64-8	1-10%	H318 (Eye Dam 1)	OK				Comment for HealthRate assessment: The substance is chemically bounded in the product so the hazards will not be present in the final product. Therefore it is not expected to cause harm to the users. Recycled content: None Nanomaterials: Unknown
Water	7732-18-5	0-5%	*	OK				Comment for HealthRate assessment: Recycled Content: None Nanomaterials: No
Material: Recycled polyester fibre								
Polyethylene Tere-phthalate	25038-69-9	40-60%	*	OK				Comment for HealthRate assessment: Recycled Content: Post- Consumer Nanomaterials: No
Water	7732-18-5	0-5%	*	OK				Comment for HealthRate assessment: Recycled Content: None Nanomaterials: No
Titanium dioxide	13463-67-7	0-1%	H351 (Carc. 2)	OK				Comment for HealthRate assessment: Titanium dioxide can be harmful when it is inhaled, and it is classified as possibly carcinogenic to humans. However, as the substance is embedded in the product, the hazards will no be present in the final product. Therefore, it is not expected to cause harm to the users. Recycled Content: None Nanomaterials: No
Material: Water								
Water	7732-18-5	0-10%	*	OK				Comment for HealthRate assessment: Recycled Content: None Nanomaterials: No

* No GHS H-Statement classification

Comments:
VOC emissions: Global GreenTag International Program Standard v4.0 Formaldeyde Content Supplementary Standard in accordance with requirement of the Green Building Council of Australia and LEEDv.4.1, as updated from time to time.
VOC content: TVOC Emission compliance with the VOC limits in Table 4-1 of CDPH V1.2-2017, and TVOC <0.5 mg/m3 using test method for California Department of Public Health (CDPH) Standard Method V1.2-2017 at Intertek Testing Services Shengzhen Ltd. Shanghai Fengxian Branch. Test approved on 26 August 2021.