GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™

Product Health Declaration

GLOBAL GREENTAG HEALTH RATE
CERT TM
Platinum HEALTH
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Tarkett

Starfloor Click Ultimate 30, iD Click Ultimate 30, Starfloor Click Ultimate 55, iD Click Ultimate 55-70 PLUS

Starfloor Click Ultimate 30 and iD Click Ultimate 30 are rigid LVT flooring. These multi-layered floorings have an exceptional rigid core which provides structural solidity close to laminate or wood. Available in tile and plank format. Starfloor Click Ultimate 55 is a vinyl tile flooring. The tiles and planks are rigid composite and therefore offer extreme durability. It is a stable, strong, all-proof flooring perfect for all circumstances.
iD Click Ultimate 55-70 PLUS is a new luxury vinyl tiles flooring generation. With a Rigid Composite Core for extreme resistance to shocks and heavy loads, photo regulated PUR surface for easy maintenance even on high traffic areas, Soundblock acoustic backing for sound absorption up to 19 dB, an I4F® Click technology to simplify installation and reduce business downtime.

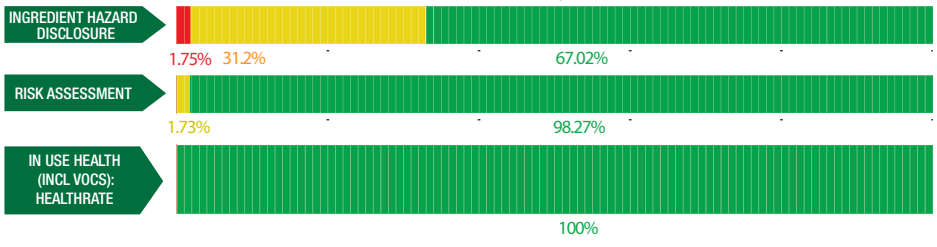
Products/Ranges:	Starfloor Click Ultimate 30, iD Click Ultimate 30 Starfloor Click Ultimate 55, iD Click Ultimate 55-70 PLUS
Product Stages Assessed:	Raw materials, manufacturing and in-use
CSI Masterformat:	09 65 19.23 Vinyl Tile Flooring
Licenced Site/s:	PRC
Licence Number:	TAR:TR01:2022:PH
Licence Date:	27th February 2022
Valid To:	26th February 2023
Standard:	GGT International v4.0
Screening Date:	8th April 2021
PHD URL:	https://www.globalgreentag.com/getfile/13027/phd.pdf

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

- GreenTag Banned List Compliant.
- Product Meets Optimisation requirements - No Grey or Red Light category ingredient.
- Meets Green Star Buildings v1.0 Credit 13: Exposure to Toxins, Green Star Design & As Built v1.3 Credit 13 Indoor Pollutant, X08: Material Optimisation, Green Star Interiors v1.3 Credit 12: Indoor Pollutant.
- Meets WELL™ v1.0 Features 97: Material Transparency, Feature 4: VOC Reduction and, WELL™ v2.0 Features – X07: Material Transparency, X08: Material Optimisation, X06: VOC Restrictions.
- Meets USGBC LEED® v4.0 and v4.1 Rating System MR Credit: "Building Product Disclosure and Optimisation - Material Ingredients" - Option 1: Material Ingredient Reporting and Option 2 - International ACP - REACH Optimisation.
- No worker, user, and environmental exposure to 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 & 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.

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assess-ment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
CaCO3 mixture powder								
Calcium Carbonate	471-34-1	66-75%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Magnesium Oxide	1309-48-4	0.1-0.5%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assess-ment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Aluminium oxicide	1344-28-1	0.2-0.3%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Diiron trioxide	1309-37-1	0.01-0.05%	H315, (Skin irrit. 2) H318 (Eye Dam. 1) H319 (Eye Irrit. 2) H335 (STOT SE3)H372 (STOT SE 1) H411 (Aquatic Chronic 2)	OK				The manufacturer is ISO 14001 certified which mitigates the risk of harming marine environment. The routes of expo-sure to risks are via dermal contact and inhalation. The man-ufacturer of flooring has implemented an appropriate occu-pational health and safety system in fac-tory. The substance is encapluated in the final product. The exposure to risks for end users is extreme-ly low to zero. Re-used material in the production process. Recycled Content: None Nanomaterials: No
Polyvinyl Chloride Binder								
Polyvinyl Chloride	9002-86-2	21-25%	IARC 3 H315 (Skin irrit. 2)H319 (Eye Irrit. 2) H335 (STOT SE3)	OK				The VCM residue in the PVC resin doesn't exceed 1ppm. PVC resin itself is not classifiable as carci-no-genic to humans. Re-used material in the production process. Recycled Content: None Nanomaterials: No
PVC Wear Layer								
Polyvinyl Resin	9002-86-2	3-5%	IARC 3 H315 (Skin irrit. 2) H319 (Eye Irrit. 2)H335 (STOT SE3)	OK				The VCM residue in the PVC resin doesn't exceed 1ppm. PVC resin itself is not classifiable as carci-no-genic to humans. Re-used material in the production process. Recycled Content: None Nanomaterials: No
Dioctyl Terephthal-ate (DOTP)	6422-86-2	1-2%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Fatty acids, C14-18 and C16-18-un-satd., calcium salts	68424-16-8	0.05-0.1%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Pre-attached Backing								

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assess-ment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Polyethylene	9002-88-4	1-5%	*	OK				Recycled Content: None Nanomaterials: No
Calcium Carbonate	471-34-1	0.7-1%	*	OK				Recycled Content: None Nanomaterials: No
Ethylene/vinyl acetate copolymer	24937-78-8	0.5-1%	H317 (Skin Sens. 1B) H351 (Carc. 2)	OK				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapluated in the final product. The exposure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: No
Zinc oxide	1314-13-2	0.05-0.1%	H400 (Aquatic Acute 1) H410 (Aquatic Chronic 1)	OK				The manufacturer is ISO 14001 certified which mitigates the risk of harming marine environment. Recycled Content: None Nanomaterials: No
Carbon Black	1333-86-4	0.01-0.05%	H319 (Eye Irrit. 2) H335 (STOT SE 3) H351 (Carc. 2)	OK				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapluated in the final product. The exposure to risks for end users is extremely low to zero. Re-used material in the production process. Recycled Content: None Nanomaterials: No

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assess-ment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Dicumyl peroxide	80-43-3	0.02-0.05%	H242(Org. Perox. F) H315 (Skin Irrit. 2)H319 (Eye Irrit. 2)H411(Aquatic Chronic 2) H360D (Repr. 1B)	OK				The manufacturer of Dicumyl peroxide has OHS system in place. The ingredient is encaptulated with the backing. Plus the manufacturing of backing takes place under high tempera-ture between 180 - 200 celsius degree and this ingredient will be reacted to di-minish. A test report is provided to show that the residue is below 1ppm which is negligible. 'The expo-sure to risks for end users is extremely low to zero. Recycled Content: None Nanomaterials: No
Stearic acid	57-11-4	0.01-0.03%	H228 (Flam. Sol 1)H302 (Aucte Tox. 4) H315 (Skin Irrit. 2) H319 (Eye Irrit. 2)H335 (STOT SE 3) H412 (Aquatic Chronic 3)	OK				The routes of expo-sure to risks are via dermal contact and inhalation. The man-ufacturer of flooring has implemented an appropriate occu-pational health and safety system in fac-tory. The substance is encapluated in the final product. The exposure to risks for end users is extreme-ly low to zero. Recycled Content: None Nanomaterials: No
PVC design film								
Polyvinyl Chloride	9002-86-2	1-2%	ICAR 3 H315 (Skin Irrit. 2)H319 (Eye Irrit. 2)H335 (STOT SE 3)	OK				The VCM residue in the PVC resin doesn't exceed 1ppm. PVC resin itself is not classifiable as carci-no-genic to humans. Re-used material in the production process. Recycled Content: None Nanomaterials: No
Dioctyl Terephthal-ate (DOTP)	6422-86-2	0.01-0.05%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Butanone ethyl methyl ketone	78-93-3	0.01-0.05%	H225 (Flam. Liq.2)H319 (Eye Irrit. 2) H336 (STOT SE 3)	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Plasticiser								
Dioctyl Terephthal-ate (DOTP)	6422-86-2	0.5-1%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assess-ment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Stabiliser Mixture								
Zeolites	1318-02-1	0.15-0.2%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Zinc distearate	557-05-1	0.1-0.15%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Calcium distearate	1592-23-0	0.05-0.1%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Polyethylene	9002-86-4	0.01-0.05%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Calcium Carbonate	471-34-1	0.01-0.05%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Water-based Adhesive								
Water	7732-18-5	0.15-0.2%	*	OK				Recycled Content: None Nanomaterials: No
2-propenoic acid, butylester, ho-mopolymer	9003-49-0	0.15-0.2%	H315 (Skin irrit. 2)	OK				The routes of expo-sure to risks are via dermal contact. The manufacturer of floor-ing has implement-ed an appropriate occupational health and safety system in factory. The sub-stance is encapluated in the final product. The exposure to risks for end users is ex-tremely low to zero. Recycled Content: None Nanomaterials: No
Poly (methyl meth-acrylate-co-ethyl acrylate)	9010-88-2	0.01-0.05%	H302 (Acute Tox. 4) H332 (Acute Tox. 4)	OK				The routes of expo-sure to risks are via digestion. The man-ufacturer of flooring has implemented an appropriate occu-pational health and safety system in fac-tory. The substance is encapluated in the final product. The exposure to risks for end users is extreme-ly low to zero. Recycled Content: None Nanomaterials: No
Pigment								

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assess-ment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Carbon Black	1333-86-4	0.1-0.2%	H319 (Eye Irrit. 2) H335 (STOT SE 3) H351 (Carc. 2)	OK				The routes of exposure to risks are via dermal contact and inhalation. The manufacturer of flooring has implemented an appropriate occupational health and safety system in factory. The substance is encapluated in the final product. The exposure to risks for end users is extremely low to zero. Re-used material in the production process. Recycled Content: None Nanomaterials: No
UV primer								
Polyurethane acrylate (PUA)	9009-54-5	0.01-0.05%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.05%	H315 (Skin Irrit. 2), H317 (Skin Sens. 1)H319 (Eye Irrit. 2)	OK				The route of exposure to risks is via dermal contact. The manufac-turer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a cross-linked network of polymers, the substance is encaptulated with the solid coating. The exposure to risks for end users is extremely low to zero. Re-used material in the production process. Recycled Content: None Nanomaterials: No

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assess-ment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
2,2-bis(acryloy-loxymethyl)butyl acrylate trimethylolpropane triacrylate	15625-89-5	0.01-0.03%	H315 (Skin Irrit. 2)H317 (Skin Sens. 1)H319 (Eye Irrit. 2)	OK				The route of exposure to risks is via dermal contact. The manu-fac-turer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a cross-linked network of polymers, the substance is encap-tulated with the solid coating. The expo-sure to risks for end users is extremely low to zero. Re-used material in the production process. Recycled Content: None Nanomaterials: No
Fumed Silica	112945-52-5	0.01-0.02%	H315 (Skin Irrit. 2)H319 (Eye Irrit. 2)H335 (STOT SE 3)	OK				The route of exposure to risks is via dermal contact and inha-lation. The manu-fac-turer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a cross-linked network of polymers, the substance is en-captulated with the solid coating. Plus the product has low VOC emission. The expo-sure to risks for end users is extremely low to zero. Re-used material in the production process. Recycled Content: None Nanomaterials: No

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assess-ment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Pentaerythritol triacrylate	3524-68-3	0.01-0.03%	H315 (Skin Irrit. 2), H317 (Skin Sens. 1)H319 (Eye Irrit. 2)	OK				The route of exposure to risks is via dermal contact and inha-lation. The manu-fac-turer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a cross-linked network of polymers, the substance is en-captulated with the solid coating. Plus the product has low VOC emission. The expo-sure to risks for end users is extremely low to zero. Re-used material in the production process. Recycled Content: None Nanomaterials: No
UV top coating								
Polyurethane acry-late (PUA)	9009-54-5	0.01-0.05%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Pentaerythritol triacrylate	3524-68-3	0.01-0.05%	315 (Skin Irrit. 2), H317 (Skin Sens. 1)H319 (Eye Irrit. 2)	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
1,6-Hexanediol diacrylate	13048-33-4	0.01-0.05%	H315 (Skin Irrit. 2)H317 (Skin Sens. 1)H319 (Eye Irrit. 2)	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No
Aluminium dioxide powder	1344-28-1	0.01-0.05%	*	OK				Re-used material in the production process. Recycled Content: None Nanomaterials: No

Ingredient Name	CAS Number OR Function	Proportion in finished product	GHS, IARC & Endocrine Category	REACH Compliance	Ingredient Assess-ment	Whole Of Life Assess-ment	In Use Health Assessment	Comment
Fumed Silica	112945-52-5	0.01-0.02%	H315 (Skin Irrit. 2)H319 (Eye Irrit. 2)H335 (STOT SE 3)	OK				The route of exposure to risks is via dermal contact and inhalation. The manufac-turer of flooring has implemented an appropriate occupational health and safety system in factory. Once the photochemical reaction is initiated under ultraviolet light to generate a cross-linked network of polymers, the substance is encaptulated with the solid coating. Plus the product has low VOC emission. The exposure to risks for end users is extremely low to zero. Re-used material in the production process. Recycled Content: None Nanomaterials: No

* No GHS H-Statement classification

Comments:
VOC emissions: Global GreenTag International Standard v4.0 Carpets and Floor Coverings Supplementary Standard in accordance with requirements of LEED v4.0, WELL V1.0 and V2.0 and BREEAM International Standard. TVOC concentration is 0.25 mg/m3 tested against Agbb/ABG with evidence support of Eurofins' Indoor Air Comfort Gold® VOC emission test report (report was generated on 8 August 2019).