



Armstrong Flooring Pty Ltd Fitnice

Fitnice is a woven surface vinyl sheet/tile flooring with solid backing that uses unique bi-colour yarns comprising solid monofilament fibres yielding excellent durability. Fitnice flooring has been woven so no two fibres look the same, which in turn creates a textural visual that is unique, distinctive and contemporary.

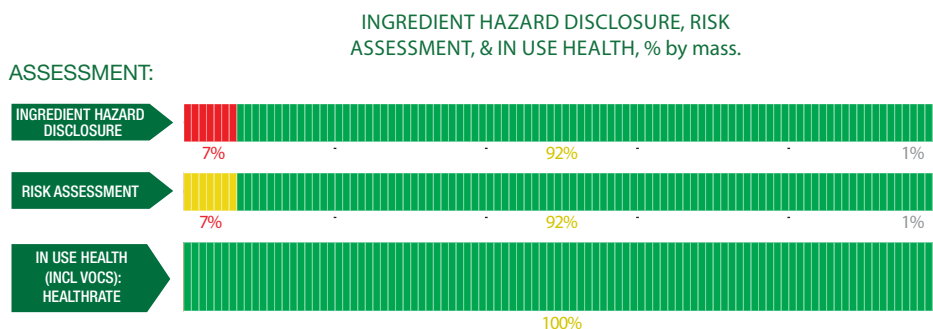
Products/Ranges:	Fitnice
Product Stages Assessed:	Raw, manufacturing, in use
CSI Masterformat:	09 65 16.23 Vinyl Sheet Flooring, 09 65 19.23 Vinyl Tile Flooring
Licenced Site/s:	Barcelona, Spain
Licence Number:	AWF-014-v1-2019
Licence Date:	25th March 2019
Valid To:	25th March 2022
Standard:	GGT International v4.0
Screening Date:	6th February 2019
PhD URL:	http://www.globalgreentag.com/wp-content/uploads/2019/07/19026_AWI_Fitnice_PHD_v3.pdf



This PhD ceases currency when original GreenTag GreenRate/LCARate 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 Indoor Air Quality VOC emission requirements, for Green Star, LEED & BREEAM
- Contributes towards satisfying Feature 04 VOC Reduction Part 3 Flooring, Feature 26 Enhanced Material Safety Part 1 Precautionary Material Selection, and Feature 97 Material Transparency Part 1 Material Information, under the WELL Building Standard™
- Low worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- Low user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- Low environmental exposure to Carcinogens, Mutagens, Reproductive Toxicant 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 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 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
PVC backing							
PVC resin	9002-86-2	75-85%	IARC Cat. 3				PVC is not classifiable as carcinogenic to humans. Best Practice PVC certification ensures that the concentration of the monomer in the PVC resin does not exceed 1ppm. Recycled Content: Unknown Nanomaterials: No
Proprietary	Additives	1-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
PVC resin							

PVC resin	9002-86-2	5-15%	None				PVC is not classifiable as carcinogenic to humans. Best Practice PVC certification ensures that the concentration of the monomer in the PVC resin does not exceed 1ppm. Recycled Content: Unknown Nanomaterials: No
Proprietary	Additives	1-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Polyester yarn							
Polyester resin	24938-04-3	1-10%	IARC Cat. 3				Recycled Content: Unknown Nanomaterials: No
Proprietary	Additives	1-5%	None				Recycled Content: Unknown Nanomaterials: Unknown
Disflamoll DPO (only present in recipe B)							
2-Ethylhexyl di-phenyl phosphate (DPO)	1241-94-7	1-10%	Aquatic Acute 1, Aquatic Chronic 1				The unreacted substances used in this plasticiser is very toxic to aquatic life with long-lasting effects. The manufacturer of the flooring operates under an Environmental Management System and therefore risks are considered low at the manufacturing stage. Recycled Content: Unknown Nanomaterials: No
Proprietary	Additives	0.1-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Triphenyl phosphate	115-86-6	0.1-0.5%	Aquatic Acute 1, Aquatic Chronic 1				The unreacted substances used in this plasticiser is very toxic to aquatic life with long-lasting effects. The manufacturer of the flooring operates under an Environmental Management System and therefore risks are considered low at the manufacturing stage. Recycled Content: Unknown Nanomaterials: No
Diocetyl terephthalate (DOTP) (only present in recipe A)							
Diocetyl terephthalate (DOTP)	6422-86-2	1-5%	None				Recycled Content: None Nanomaterials: No
Treated Calcium Carbonate / Calcite (only present in recipe A)							
Calcium Carbonate	1317-65-3	1-5%	None				Recycled Content: None Nanomaterials: No
Stearic Acid	67701-03-5	0.01-0.1%	Eye Irrit 2, Skin irrit 2				Recycled Content: None Nanomaterials: No
Soybean Oil (ESBO)							
Soybean Oil (ESBO)	8013-07-8	0.1-1%	None				Recycled Content: None Nanomaterials: No
Paraffin waxes and Hydrocarbon waxes							
Proprietary	Additives	0.1-1%	None				Recycled Content: Unknown Nanomaterials: Unknown
Paraffin waxes and Hydrocarbon waxes	8002-74-2	0.01-0.1%	None				Recycled Content: None Nanomaterials: No
Zinc Hydroxystannate Flame Retardant (only present in recipe A)							
Zinc Hydroxystannate	12027-96-2	0.1-1%	None				Recycled Content: None Nanomaterials: Unknown
Zinc Borate Flame Retardant (only present in recipe A)							

Zinc Borate	138265-88-0	0.1-1%	Repr 2, Aquatic acute 1, Aquatic chronic 2				<p>Once reacted in the product, this substance is not expected to cause harm for the user.</p> <p>The unreacted substance used in this flame retardant is suspected of damaging the unborn child. It is very toxic to aquatic life with long-lasting effects.</p> <p>The manufacturer of the flooring operates under an Occupational Health and Safety System and an Environmental Management System and therefore risks are considered low at the manufacturing stage.</p> <p>Recycled Content: None Nanomaterials: Unknown</p>
Masterbatch							
Diocetyl Adipate	103-23-1	0.1-0.5%	iARC Cat. 3				<p>Recycled Content: None Nanomaterials: No</p>
Vinyl acetate	108-05-4	0.1-0.5%	iARC Cat. 2B, End. Disr. cat.3, Flam Liq 2, Carc 2, STOT SE 3, Acute Tox 4				<p>Once reacted in the product, this substance is not expected to cause harm for the user.</p> <p>Part of the ingredients of this product is not classifiable as carcinogenic to humans. Another unreacted substance used in this colourant is suspected of causing cancer, is harmful if inhaled and may cause respiratory irritation.</p> <p>The manufacturer of the flooring operates under an Occupational Health and Safety System and an Environmental Management System and therefore risks are considered low at the manufacturing stage.</p> <p>Recycled Content: None Nanomaterials: No</p>
Proprietary	Pigments	0.1-0.5%	None				<p>Recycled Content: Unknown Nanomaterials: Unknown</p>
Proprietary	Additives	0.1-0.5%	None				<p>Recycled Content: Unknown Nanomaterials: Unknown</p>
UV Filter 1							
Octabenzene	1843-05-6	0.1-0.5%	Skin Sens 1B, Aquatic Chronic 3, Aquatic Chronic 4				<p>The substance reacts during the curing of the varnish and the finished product is highly unlikely to contain the unreacted substance at levels that would be considered an issue for an end user.</p> <p>Recycled Content: None Nanomaterials: No</p>
Proprietary	Additives	0.01-0.1%	None				<p>Recycled Content: Unknown Nanomaterials: Unknown</p>
Calcium Stearate							
Calcium Stearate	Lubricant	0.1-0.5%	None				<p>Recycled Content: Unknown Nanomaterials: Unknown</p>
Polyethylene wax							
Polyethylene wax	Lubricant	0.1-0.5%	None				<p>Recycled Content: Unknown Nanomaterials: Unknown</p>
UV Filter 2							

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	0.01-0.1%	Aquatic Chronic 2, Eye Irrit 2, Eye Dam 1, Skin Irrit 2, Aquatic Acute 1				The substance reacts during the curing of the varnish and the finished product is highly unlikely to contain the unreacted substance at levels that would be considered an issue for an end user. Recycled Content: None Nanomaterials: No
Proprietary	Additives	0.01-0.1%	None				Recycled Content: Unknown Nanomaterials: Unknown

Comments:

The product has received SCS FloorScore certification for low VOC emission.

Two recipes for Fitnice were assessed, referred to as recipe A and recipe B.

