



Bolon AB/The Andrews Group

Bolon Woven Flooring Collections

Bolon Woven Flooring Collections are resilient, durable synthetic woven flooring suitable for interior and some exterior commercial and residential floor finishes.

Products/Ranges:

Product Stages Assessed:

CSI Masterformat:

Licensed Site/s:

Licence Number:

Licence Date:

Valid To:

Standard:

Screening Date:

PHD URL:

Bolon Woven Flooring Collections

Whole of life +re-use potential

09 65 16.32 Vinyl Sheet Flooring, 09 65 19.23 Vinyl Tile Flooring

Ulricehamn, Sweden

TAG:BO01:2020:PH

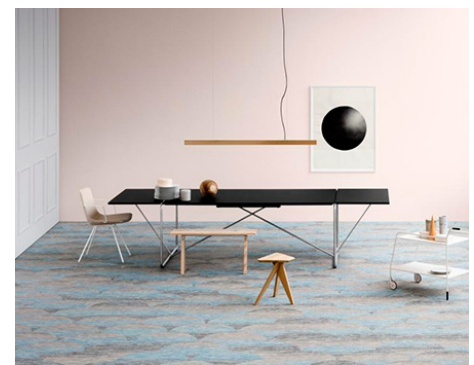
23rd January 2018

10th September 2022

GGT International v4.0

28th September 2021

https://www.globalgreentag.com/wp-content/uploads/2021/10/210928_TAG_Bolon-woven-flooring_PHD-certificate_v1.pdf



PHD Summary

Percentage Assessed: **100%**

Inventory Threshold:

100ppm Product Level

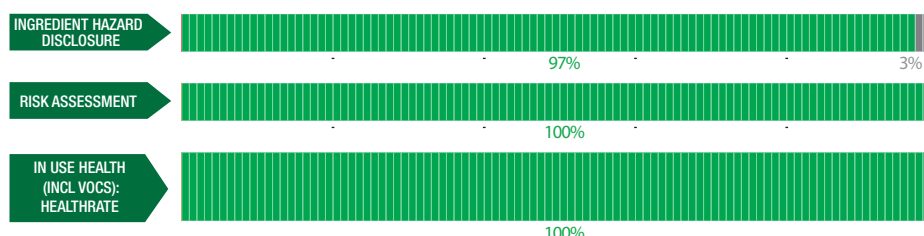
Inventory Method:

Nested Materials

- GreenTag Banned List Compliant
- Meets Indoor Air Quality VOC emission requirements, for Green Star, LEED & BREEAM
- Product Meets Optimisation requirements - No Grey or Red Light category ingredient
- Meets USGBC LEED® v4.0 and v4.1 Rating System MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 2 - International ACP - REACH Optimization
- 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
- No worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- No user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- No environmental exposure to Carcinogens, Mutagens, Reproductive Toxicants or Endocrine Disruptors

ASSESSMENT:

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass.



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.
Red	Problematic (Red): Target for Phase 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient.
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
Material: Filler							
Dolomite	16389-88-1	10-25%	H315 (Skin Irrit. 2)				Risks associated with the use of this substance is non-existent after the manufacturing process. Therefore, it is unlikely that the ingredient will carry its property to the final product. Recycled Content: No Nanomaterials: Yes
Calcium Carbonate	1317-65-3	10-25%	None				Recycled Content: No Nanomaterials: No
Material: Polymer							

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
Polyvinylchloride	9002-86-2	25-50%	IARC 3, H315 (Skin Irrit. 2), H319 (Eye Irrit. 2), H335 (STOT SE 3)				The hazards are only related to the residue monomers that may be present in the substance. However, as the concentration of the monomers are extremely low (less than 1ppm with Best PVC certificate), it is not expected that the substance will cause any harm to the users in the final product. Recycled Content: No Nanomaterials: No
Material: Ethylene-vinyl Acetate (EVA) resin							
EVA and remaining substances	Adhesive	0-1%	None				Remaining additive used is unknown. However, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Material: Plasticizer							
Alkylsulfonic acid phenyl ester	91082-17-6	2.5-10%	None				Recycled Content: No Nanomaterials: No
Material: Plasticizer							
Diocetyl Terephthalate (DOTP)	6422-86-2	2.5-10%	None				Recycled Content: No Nanomaterials: No
Material: Stabiliser							
Epoxidized soybean oil	8013-07-8	0-5%	None				Recycled Content: No Nanomaterials: No
Calcium/Zinc stabiliser and remaining substances	Stabiliser	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
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Material: Pigment							
Titanium dioxide	13463-67-7	0-1%	IARC 2B, Carc Cat. 2B				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 not be present in the final product. Therefore, it is not expected to cause any harm to the users. Recycled Content: No Nanomaterials: Yes
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
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Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Material: Fiber Glass							
Fiber glass	Fiber Glass	1-2.5%	None				Fiber glass is used unknown. However, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Material: Polyester yarn							
Poly Ethylene Terephthalate	25038-59-9	1-5%	None				Recycled Content: No Nanomaterials: No
Additives	Additive	0.01-0.1%	None				Remaining additive used is unknown. However, as there is no hazard declared, it is not expected to cause any5 harm to the users. Recycled Content: Unknown Nanomaterials: Unknown

Comments:

VOC emissions: SCS Global Services meets Floorscore, in compliance with CDPH/EHLB Standard Method v1.2-2017 with TVOC less than/equal to 0.5 mg/m3. Global GreenTag International Program Standard v4.0 Carpet and Floor Coverings Supplementary Standard in accordance with requirements of the Green Building Council of Australia, New Zealand Green Building Council and LEED v4, as updated from time to time.

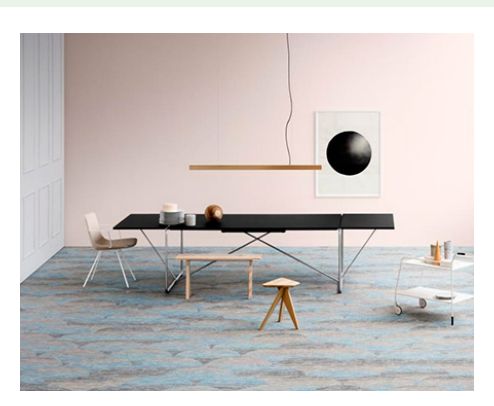
Material pigment can be used together or separately in order to make different colour ranges available in the Bolon Woven Vinyl Flooring Collections.



Bolon AB/The Andrews Group

Bolon Woven Flooring with Acoustic Backing

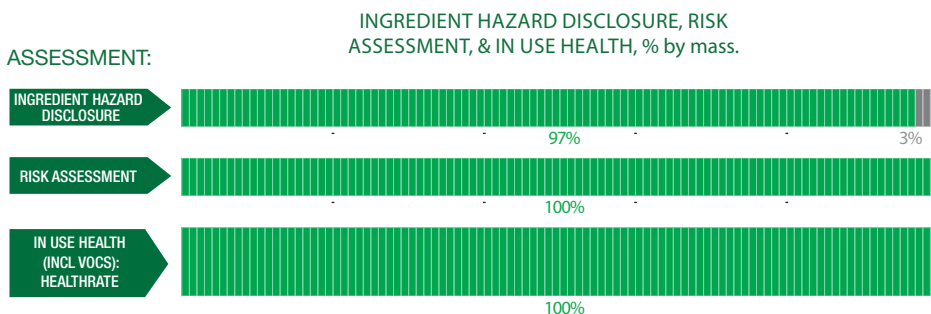
Bolon Woven Flooring with Acoustic Backing are resilient, durable synthetic woven flooring suitable for interior and some exterior commercial and residential floor finishes.



Products/Ranges: Bolon Woven Flooring with Acoustic Backing
Product Stages Assessed: Whole of life +re-use potential
CSI Masterformat: 09 65 16.32 Vinyl Sheet Flooring, 09 65 19.23 Vinyl Tile Flooring
Licensed Site/s: Ulricehamn, Sweden
Licence Number: TAG:BO02:2021:PH
Licence Date: 18th October 2021
Valid To: 10th September 2022
Standard: GGT International v4.0
Screening Date: 18th October 2021
PHD URL: https://www.globalgreentag.com/wp-content/uploads/2021/11/211018_TAG_Bolon_woven_vinyl_flooring_Acoustic_Backing_PHD_certificate_v1.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.
- Product Meets Optimisation requirements - No Grey or Red Light category ingredient.
- 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.
- Meets WELL™ v1.0 Features 97: Material Transparency and WELL™ v2.0 Features – X07: Material Transparency (Part 1 & 3) and X08: Material Optimisation (Part 1 & 2).
- No worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.
- No user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.
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Calcium Carbonate	1317-65-3	10-25%	None				Recycled Content: No Nanomaterials: No
Material: Polymer							
Polyvinylchloride	9002-86-2	25-50%	IARC 3, H315 (Skin Irrit. 2), H319 (Eye Irrit. 2), H335 (STOT SE 3)				The hazards are only related to the residue monomers that may be present in the substance. However, as the concentration of the monomers are extremely low (less than 1ppm with Best PVC certificate), it is not expected that the substance will cause any harm to the users in the final product. Recycled Content: No Nanomaterials: No
Material: Ethylene-vinyl Acetate (EVA) resin							
EVA and remaining substances	Adhesive	0-1%	None				Remaining additive used is unknown. However, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Material: Plasticizer							
Alkylsulfonic acid phenyl ester	91082-17-6	2.5-10%	None				Recycled Content: No Nanomaterials: No
Material: Plasticizer							
Diocetyl Terephthalate (DOTP)	6422-86-2	2.5-10%	None				Recycled Content: No Nanomaterials: No
Material: Stabiliser							
Epoxidized soybean oil	8013-07-8	0-1%	None				Recycled Content: No Nanomaterials: No
Calcium/Zinc stabiliser and remaining substances	Stabiliser	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Material: Pigment							
Titanium dioxide	13463-67-7	0-1%	IARC 2B, Carc Cat. 2B				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 not be present in the final product. Therefore, it is not expected to cause any harm to the users. Recycled Content: No Nanomaterials: Yes
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown 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
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
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Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
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Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown 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
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
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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
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Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
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Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
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Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown 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
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
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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
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
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Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Pigment	Pigment	0-1%	None				Unknown substance is used, however, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Material: Fiber Glass							
Fiber glass	Fiber Glass	1-2.5%	None				Fiber glass is used unknown. However, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Material: Polyester yarn							
Poly Ethylene Terephthalate	25038-59-9	1-2.5%	None				Recycled Content: No Nanomaterials: No
Additives	Additive	0-0.1%	None				Remaining additive used is unknown. However, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown 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
Material: Polyester nonwoven felt							
Poly Ethylene Terephthalate	25038-59-9	10-25%	None				Recycled Content: No Nanomaterials: No
Additives	Additive	0-1%	None				Remaining additive used is unknown. However, as there is no hazard declared, it is not expected to cause any harm to the users. Recycled Content: Unknown Nanomaterials: Unknown
Additives	68649-41-2	0-1%	H319 (Skin Irrit. 2), H315 (Eye Irrit. 2)				Risks associated with the use of this substance is non-existent after the manufacturing process. Therefore, it is unlikely that the ingredient will carry its property to the final product. Recycled Content: Unknown Nanomaterials: Unknown

Comments:

VOC emissions: SCS Global Services meets Floorscore, in compliance with CDPH/EHLB Standard Method v1.2-2017 with TVOC less than/equal to 0.5 mg/m³. Global GreenTag International Program Standard v4.0 Carpet and Floor Coverings Supplementary Standard in accordance with requirements of the Green Building Council of Australia, New Zealand Green Building Council and LEED v4, as updated from time to time.

Material pigment can be used together or separately in order to make different colour ranges available in the Bolon Woven Vinyl Flooring Collections.