



BOLON AB / The Andrews Group

# Bolon Woven Vinyl Flooring Collections

**Scope of Range:** Woven Vinyl Flooring Collections  
**Life Cycle Assessed:** Manufacturing, in use and end of life

**Licenced Site/s:** Ulricehamn, Sweden  
**Licence Number:** TAG-001-v1-2017  
**Licence Date:** 23rd January 2018  
**Valid To:** GGT International v4.0  
**Standard:** 10th September 2020  
**Assessment Year:** 2017



This PhD ceases currency when original GreenTag GreenRate/LCARate certification expires or is revoked. Please check [www.globalgreentag.com](http://www.globalgreentag.com) for currency.

The Global GreenTag Product Health Declaration has been designed to provide an additional level of service to the green product sector in facilitating an easier industry understanding of both the health hazard and risk (if any) associated with any certified product/s.

<b>PhD Summary</b>	<b>100%</b>	<b>100ppm</b>
<b>Percentage Assessed:</b>		<b>Declaration Limit:</b>
<ul style="list-style-type: none"> <li>GreenTag Banned List Compliant</li> <li>Meets Indoor Air Quality VOC emission requirements, for LEED &amp; BREEAM</li> <li>Meets WELL™ Building Standard:                     <ul style="list-style-type: none"> <li>Feature 04 VOC Reduction PART 5: Furniture and Furnishings</li> <li>Feature 26 Enhanced Material Safety PART 1: Precautionary Material Selection</li> <li>Feature 97 Material Transparency</li> </ul> </li> <li>Certified Best Practice Guidelines for PVC in the Built Environment</li> <li>Very low worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors</li> <li>Very low user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors</li> <li>Very low environmental exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors</li> </ul>		
MANUFACTURING, IN USE, & END OF LIFE STAGES % by mass. See over for explanation.		
<b>INGREDIENT HAZARD ASSESSMENT</b>		
<b>WHOLE OF LIFE RISK ASSESSMENT</b>		
<b>IN USE HEALTH (INCL VOCs)</b>		
		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	<b>Ideal- Low</b> No Comment required
Yellow	<b>Medium to Low</b> No Comment, or 'Issue of Concern' required depending on % of ingredient.
Orange	<b>Moderate</b> 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Limit 10%
Red	<b>Problematic (Red): Target for Phase</b> 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Strict Upper Limit of 1%
Grey	<b>Uncategorised</b> Not able to be categorised due to lack of toxicity impact information.
Black	<b>Banned Ingredients</b> 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	Function	GHS, IARC and Endocrine Category	Hazard Assessment (Raw)	After Detailed Risk Assessment	Comment
Dolomite	Filler	Not classified			None
Calcium carbonate	Filler	Not classified			None
Polyvinyl chloride	Polymer	Skin Irrit. 2, Eye Irrit. 2, STOT 3			The hazardous monomer used to manufacture the PVC resin may be present in the finished resin at residual concentrations that are extremely low and therefore not considered to be a risk. Best Practice PVC certification ensures that the concentration of the monomer in the PVC resin does not exceed 1ppm. The product has also received SCS FloorScore certification for low VOC emissions.

Alkylsulfonic acid phenylester	Plasticiser	Not classified None according to manufacturer disclosure	 	 	None
Epoxidized soybean oil	Additive	Not classified			None
Calcium zinc compound	Stabiliser	None according to manufacturer disclosure			None
EVA resin	Adhesive	None according to manufacturer disclosure Carc. 2, IARC 2B, STOT 3, Acute Tox. 4 IARC 3, Chronic Aquatic Tox. 1, Acute Aquatic Tox. 1	  	  	The hazardous monomer and other ingredients used in the EVA resin may be present in the finished product at concentrations that are extremely low and therefore not considered to be a risk as present in the end product. The manufacturer of the resin and Bolon have demonstrated that occupational health and safety and environmental management systems are in place that mitigate any potential risks to an acceptable level.
Titanium dioxide	Opacifier	IARC 2B			Titanium dioxide, a broadscale, endemic naturally occurring compound used as a pigment and opacifier. In its powdered form, titanium dioxide is classified as possibly carcinogenic to humans. However, it does not trigger any issue of concern under the GreenTag risk assessment as it is not expected to cause harm as present in the end product.
Polyester yarn	Backing reinforcement	Not classified None according to manufacturer disclosure	 	 	None
Glass fibre	Reinforcement	None according to manufacturer disclosure			None
Masterbatch colourant preparations	Pigment	None according to manufacturer disclosure Eye Damage 1, Skin Irrit. 2, Chronic Aquatic Toxicity 2	 	 	Some ingredients used in the masterbatches may be present in the finished product at concentrations that are extremely low and therefore not considered to be a risk. They are not expected to cause harm as present in the end product. Masterbatch manufacturer and Bolon have appropriate Occupational Health and Safety and Environmental Management systems in place.

**Comments:** The product has also achieved SCS FloorScore certification for low VOC emissions resilient floor coverings.