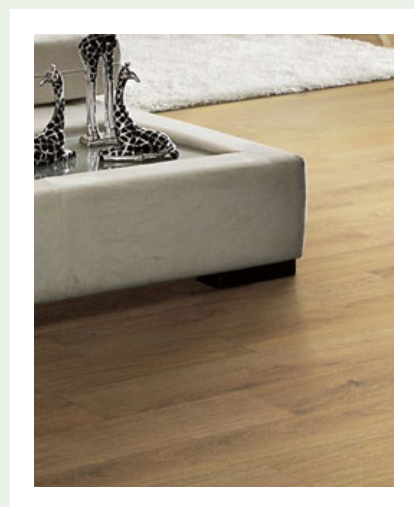




## Armstrong Flooring Pty Ltd Timberline & Translations

Armstrong Flooring's Timberline® and Translations™ heterogeneous vinyl sheet ranges feature realistic wood grains, as well as carpet or solid stone looks and is suitable where a High Commercial rating is required. Both Timberline and Translations are easy to clean, require low maintenance and there is no need to apply polish.

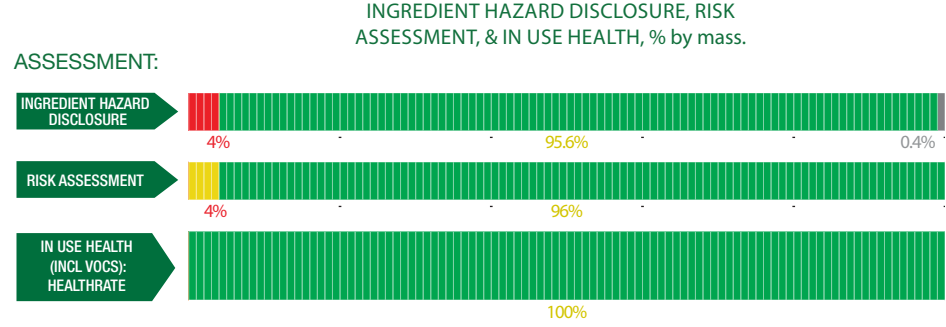
|                                 |   |
|---------------------------------|---|
| <b>Products/Ranges:</b>         | <b>Timberline &amp; Translations</b>  |
| <b>Product Stages Assessed:</b> | <b>Raw, manufacturing, in use</b>   |
| <b>CSI Masterformat:</b>        | <b>09 65 16.23 Vinyl Sheet Flooring</b>   |
| <b>Licensed Site/s:</b>         | <b>Sejong, Korea</b>  |
| <b>Licence Number:</b>          | <b>AWF-010-v1-2017</b>  |
| <b>Licence Date:</b>            | <b>6th June 2018</b>  |
| <b>Valid To:</b>                | <b>30th November 2021</b>   |
| <b>Standard:</b>                | <b>GGT International v4.0</b>   |
| <b>Screening Date:</b>          | <b>27th October 2017</b>  |
| <b>PhD URL:</b>                 | <a href="http://www.globalgreentag.com/wp-content/uploads/2019/07/19026_AWF_Translations-Timberline_PHD_v5.pdf">http://www.globalgreentag.com/wp-content/uploads/2019/07/19026_AWF_Translations-Timberline_PHD_v5.pdf</a> |



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. [Note disclaimer over.](#)

|                                  |                             |                          |
|----------------------------------|-----------------------------|--------------------------|
| <b>PhD Summary</b>               | <b>Inventory Threshold:</b> | <b>Inventory Method:</b> |
| Percentage Assessed: <b>100%</b> | 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  | <b>Ideal- Low</b><br>No Comment required   |
| Yellow | <b>Medium to Low</b><br>No Comment, or 'Issue of Concern' required depending on % of ingredient.   |
| Orange | <b>Moderate</b><br>'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Limit 10%   |
| Red    | <b>Problematic (Red): Target for Phase</b><br>'Issue of Concern' or 'Red Light' Comment depending on % of ingredient. Strict Upper Limit of 1% |
| Grey   | <b>Uncategorised</b><br>Not able to be categorised due to lack of toxicity impact information.   |
| Black  | <b>Banned Ingredients</b><br>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   |
|--------------------------------------|------------------------|--------------------------------|--------------------------------|-----------------------------|--------------------------|--------------------------|---|
| <b>PVC</b>                           |                        |                                |                                |                             |                          |                          |   |
| PVC resin                            | 9002-86-2              | 30-50%                         | 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.<br><br>Recycled Content: Unknown<br>Nanomaterials: No |
| <b>Limestone (Calcium Carbonate)</b> |                        |                                |                                |                             |                          |                          |   |
| Calcium Carbonate                    | 1317-65-3              | 10-30%                         | None                           |                             |                          |                          | Recycled Content: Unknown<br>Nanomaterials: Unknown   |
| <b>Plasticiser</b>                   |                        |                                |                                |                             |                          |                          |   |
| Diethyl terephthalate (DOTP)         | 6422-86-2              | 1-20%                          | None                           |                             |                          |                          | Recycled Content: None<br>Nanomaterials: No   |

|   |            |           |  |  |  |  |   |
|---|------------|-----------|--|--|--|--|---|
| Tributyl O-acetyl-citrate                   | 77-90-7    | 1-20%     | Aquatic Chronic 3  |  |  |  | Recycled Content: None<br>Nanomaterials: No   |
| <b>Glass Paper</b>                          |            |           |  |  |  |  |   |
| Glass Fiber                                 | 65997-17-3 | 0.1-2%    | Skin Irrit 2<br>Eye Irrit 2<br>STOT SE 3                               |  |  |  | Once reacted in the product, glass fiber is not expected to cause harm for the user.<br>The unreacted substance is irritating to the skin, eyes and if inhaled.<br>The manufacturer of the flooring operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage.<br><br>Recycled Content: Unknown<br>Nanomaterials: Unknown |
| Pulp, Cellulose                             | 65996-61-4 | 0.1-1%    | None   |  |  |  | Recycled Content: Unknown<br>Nanomaterials: No  |
| Proprietary                                 | Additives  | 0.1-0.5%  | None   |  |  |  | Recycled Content: Unknown<br>Nanomaterials: Unknown   |
| <b>Non Woven PET Fabric</b>                 |            |           |  |  |  |  |   |
| PET   | 25038-59-9 | 0.1-1%    | None   |  |  |  | Recycled Content: Unknown<br>Nanomaterials: No  |
| <b>Surfactant</b>                           |            |           |  |  |  |  |   |
| Distillates (petroleum), hydrotreated light | 64742-47-8 | 0.1-1%    | Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2, Flam. Liq. 3 |  |  |  | Recycled Content: None<br>Nanomaterials: No   |
| <b>UV Coating</b>                           |            |           |  |  |  |  |   |
| Proprietary                                 | Unknown    | 0.1-1%    | None   |  |  |  | Recycled Content: Unknown<br>Nanomaterials: Unknown   |
| Hydroxyethyl Acrylate                       | 818-61-1   | 0.1-0.5%  | Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1, 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.<br><br>Recycled Content: None<br>Nanomaterials: No  |
| 2-Hydroxypropyl acrylate                    | 999-61-1   | 0.1-0.5%  | Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1, Acute Tox. 3                |  |  |  | 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.<br><br>Recycled Content: None<br>Nanomaterials: No  |
| Glass, oxide                                | 65997-17-3 | 0.1-0.5%  | Skin Irrit 2<br>Eye Irrit 2<br>STOT SE 3                               |  |  |  | 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.<br><br>Recycled Content: None<br>Nanomaterials: No  |
| Oxybis(methyl-2,1-ethanediyl) diacrylate    | 57472-68-1 | 0.01-0.1% | Skin Irrit. 2, Skin Sens. 1, Eye Dam. 1, Acute Tox. 4                  |  |  |  | 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.<br><br>Recycled Content: None<br>Nanomaterials: No  |

|   |                       |           |  |  |  |  |  |
|---|-----------------------|-----------|--|--|--|--|--|
| Amorphous Silica  | 112945-52-5           | 0.01-0.1% | Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, Carc. 1A   |  |  |  | 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.<br><br>Recycled Content: None<br>Nanomaterials: No |
| 2-Propenoic acid 2-ethyl-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester           | 15625-89-5            | 0.01-0.1% | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 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.<br><br>Recycled Content: None<br>Nanomaterials: No |
| Benzophenone  | 119-61-9              | 0.01-0.1% | STOT RE 2, Aquatic Chronic 2, Aquatic Acute 1, Skin Irrit. 2, Eye Irrit. 2                 |  |  |  | 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.<br><br>Recycled Content: None<br>Nanomaterials: No |
| 2-Propenoic acid 2-(hydroxymethyl)-2-[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester | 3524-68-3             | 0.01-0.1% | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 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.<br><br>Recycled Content: None<br>Nanomaterials: No |
| (1-Hydroxycyclohexyl)phenylmethanone  | 947-19-3              | 0.01-0.1% | None   |  |  |  | Recycled Content: None<br>Nanomaterials: No  |
| 2-Propenoic acid 2,2-bis[[[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester              | 4986-89-4             | 0.01-0.1% | Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1  |  |  |  | Recycled Content: None<br>Nanomaterials: No  |
| <b>Stabiliser</b>   |                       |           |  |  |  |  |  |
| Proprietary   | Unknown               | 0.1-1%    | Eye Irrit. 2, Acute Tox. 4   |  |  |  | Recycled Content: Unknown<br>Nanomaterials: Unknown  |
| Phosphite Complex   | Secondary antioxidant | 0.1-0.5%  | None   |  |  |  | Recycled Content: Unknown<br>Nanomaterials: Unknown  |
| Proprietary   | Thermal stabiliser    | 0.1-0.5%  | None   |  |  |  | Recycled Content: Unknown<br>Nanomaterials: Unknown  |
| Proprietary   | Solvent               | 0.1-0.5%  | None   |  |  |  | Recycled Content: Unknown<br>Nanomaterials: Unknown  |
| 2-(2-butoxyethoxy) ethanol diethylene glycol monobutyl ether                                | 112-34-5              | 0.1-0.5%  | Eye Irrit. 2   |  |  |  | Recycled Content: None<br>Nanomaterials: No  |
| Proprietary   | Thermal stabiliser    | 0.1-0.5%  | None   |  |  |  | Recycled Content: Unknown<br>Nanomaterials: Unknown  |
| <b>Thinner</b>  |                       |           |  |  |  |  |  |
| Nonylphenol, ethoxylated  | 9016-45-9             | 0.1-0.5%  | Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, End. Disr. cat.3, Aquatic Chronic 2, Eye Dam. 1 |  |  |  | Once reacted in the product, this substance is not expected to cause harm for the user.<br><br>Recycled Content: None<br>Nanomaterials: No   |
| <b>Pigment</b>  |                       |           |  |  |  |  |  |
| Titanium dioxide  | 13463-67-7            | 0.1-0.5%  | Carc. 2, Eye Irrit. 2, Acute Tox. 4, STOT SE 3   |  |  |  | Once reacted in the product, this substance is not expected to cause harm for the user.<br><br>Recycled Content: Unknown<br>Nanomaterials: Unknown   |

|  |              |           |      |   |   |  |   |
|--|--------------|-----------|------|---|---|--|---|
| Reaction product of disubstituted-carbomono-cyclo,alkyl(C=1~3) alkanol(C=4~6) and alkanol(C=3~5) | 1571954-81-8 | 0.01-0.2% | None |  |  |  | Recycled Content: None<br>Nanomaterials: No |
|--|--------------|-----------|------|---|---|--|---|

Comments: The product has received SCS FloorScore certification for low VOC emissions.

