GLOBAL GREEN TAG INTERNATIONAL PTY LTD

# PHD™

## Product Health Declaration

GLOBAL GREENTAG HEALTH RATE
CERT TM
Platinum HEALTH
trust brands™

## Novatech International NV

# X-Tack

X-Tack is a high tack instant grab MS Polymer adhesive. X-Tack maintains control of assemblies without the need for clamps, screws, or temporary supports while curing. X-Tack is free from phthalates, solvents, isocyanates, does not attack synthetic materials and is odourless which makes it safe to use in confined spaces. X-Tack can be used on common building materials and in a wide range of applications. X-Tack remains permanently elastic making it vibration, impact, and shock resistant. 100% waterproof assembly which is also bacteria, fungus, UV resistant and paintable.

| | |
|---|---|
| Products/Ranges: | X-Tack |
| Product Stages Assessed: | Material inputs, Manufacturing, in-use |
| Product Type: | Adhesive and Sealant |
| CSI Masterformat: | TBC |
| Licenced Site/s: | Olen, Belgium |
| Licence Number: | NOI:XT01:2022:PHD |
| Licence Date: | 29th March 2022 |
| Valid To: | 29th March 2025 |
| Standard: | GGT International v4.0 |
| Screening Date: | 4th February 2022 |
| PHD URL: | http://www.globalgreentag.com/certificate/1639/ |


### PHD Summary

Percentage Assessed: 100%

### Inventory Threshold:

100ppm Product Level

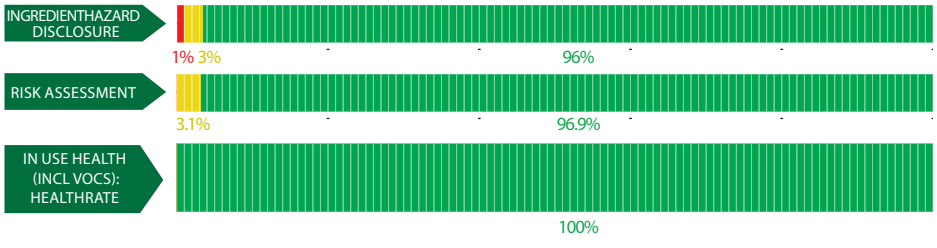
### Inventory Method:

Nested Materials

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL ® & LEED ® Material Transparency & Optimization credits included below:
- Meets Green Star ® 'Buildings v1.0' as a Compliant Technical Document (Audited) for ~ Credit 13: Exposure to Toxins, and 'Design & As Built v1.3' and 'Interiors v1.3' ~ Indoor Pollutants.
- Meets IWBI ® WELL™ v1.0 as Recognized for ~ Feature 26 (Part 1); Feature 97 (Part 1); as a Compliant Technical Document (Audited) for ~ Feature 04 (Part 2) , and, meets IWBI ® WELL™ v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X06 (Part 1); X07 (Part 2); X08 (Part 1).
- Meets USGBC LEED ® v4.0 and v4.1 Rating Tool Credit as Recognized for MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 1: Material Ingredient Reporting, Option 2: International ACP - REACH Optimisation.
- Independent third party assessment for worker, user, and environmental exposure to any Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors.

INGREDIENT HAZARD DISCLOSURE, RISK ASSESSMENT, & IN USE HEALTH, % by mass.
See over for explanation.

ASSESSMENT:




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 risks 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 final product 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) of a PHD rating relates ONLY to a Human Health Toxicity Assessment and is declared separately and not equivalent to the overall Bronze, Silver Gold or Platinum Green Tag Certification Mark Tier Levels of LCARate.

## 1.2 Preparing a PHD

GGT PHDs are prepared in the format of a transparency document which utilizes Hazard Classifications from the UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS). Hazard Classifications are then risk assessed with a focus on the In Use stage for an outcome of 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 International Standard v4.0/4.1, Personal Products Standard v1.0/1.1, or Cleaning Products Standard v1.1/1.2 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 Australasian 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 & v4.1, WELL ® v1.0 & v2.0, Green Star ®, the following information is declared from the audit:

| Colour | Ingredient Hazard Disclosure |
|---|---|
| Green | Level 4<br>The hazard level of this ingredient indicates that the ingredient has no toxic hazard statements with no identified health effects. |
| Yellow | Level 3<br>The hazard level of this ingredient indicates that the ingredient is mildly toxic and/or has short/medium term reversible health effects. |
| Orange | Level 2<br>The hazard level of this ingredient indicates that the ingredient is moderately toxic and/or with a moderate health effects. |
| Red | Level 1<br>The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects. |
| Black | Level 0<br>The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects and is banned from being detectable above trace amounts in the final product. |
| Grey | Grey Chemical<br>Not able to be categorised due to lack of toxicity impact information. |
| **Colour** | **Risk Assessment & In Use Health Assessment Outcome** |
| Green | No Concerns<br>The risk assessment outcomes for the hazard level and percentage of ingredient used in the product after risk assessment is considered highly unlikely and therefore without concerns. |
| Yellow | Human Health Comment<br>The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low with an unlikely potential risk. |
| Orange | Issue of Concern or Issue of Concern Minimised<br>The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to high with a higher than unlikely potential for risk. |
| Red | Red Light Comment or Red Light Comment Minimised<br>The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered low to extremely high with a moderate potential for risk. |
| Dark Red | Red Light Exclusion<br>The risk assessment outcome for the hazard level and percentage of ingredient used in the product is after risk assessment considered medium to extremely high with a likely potential for risk. |
| Grey | Grey Chemical<br>Not able to be categorised due to lack of toxicity impact information. |
| Black | Banned Ingredients<br>Level 0 Hazard Level categorised chemicals such as Substances of Very High Concern in the International Standard v4.0/v4.1 and/or Petroleum, Parabens plus a wide range of additional compounds stipulated by the Personal Products Standard v1.0/1.1 and Cleaning Products Standard v1.1/1.2 |

| Ingredient Name | CAS Number OR Function | Proportion in finished product | GHS, IARC & Endocrine Category | REACH Compliance | Ingredient Assessment | Whole Of Life Assessment | In Use Health Assessment | Comment |
|---|---|---|---|---|---|---|---|---|
| Trimethoxyvinylsilane | Drying agent | 0.1-1.0% | H226(Flam. Liq. 3)<br>H332(Acute Tox. 4)<br>H317(Skin Sens. 1B) | OK | | | | The substance is a flammable liquid and vapour and is harmful if inhaled and may cause an allergic skin reaction. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage. Once applied and dried, this substance will be incorporated into hard, durable, inert layer and will not cause harm to end users. |
| 3-(Trimethoxysilyl) propylamine | Adhesion promoter | 0.1-1.0% | H315(Skin Irrit. 2)<br>H318(Eye Dam. 1) | OK | | | | The substance causes severe skin burns and eye damage. However, the manufacturer of the product operates under an Occupational Health and Safety System and therefore risks are considered low at the manufacturing stage.Once applied and dried, this substance will be incorporated into hard, durable, inert layer and will not cause harm to end users. |
| N-(3-(Trimethoxysilyl) propyl) ethylendiamine | Adhesion promoter | 0.25-0.50% | H335(STOT SE 3)<br>H318(Eye Dam. 1)<br>H317(Skin Sens. 1B) | OK | | | | This substance causes serious eye damage, is harmful if inhaled and may damage organs through prolonged or repeated exposure, may cause skin rections and respiratory irritation. However, the manufacturer of the product operates under an Occupational Health and Safety System and Environmental Management System and therefore risks are considered low at the manufacturing stage. Once applied and dried, this substance will be incorporated into hard, durable, inert layer and will not cause harm to end users |
| Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate | UV-Stablizer | 0.01-0.1% | H411(Aquatic Chronic 2)<br>H318(Eye Dam. 1)<br>H400(Aquatic Acute 1)<br>H361(Repr. 2) | OK | | | | The substance is very toxic to aquatic life, is toxic to aquatic life with long lasting effects, causes serious eye damage and is suspected of damaging fertility or the unborn child. However, the manufacturer of the product operates under an Occupational Health and Safety System and Environmental Management System and therefore risks are considered low at the manufacturing stage. Once applied and dried, this substance will be incorporated into hard, durable, inert layer and will not cause harm to end users. |
| Dioctyltin oxide | Catalyst | <0.25% | H371(STOT SE 2) | OK | | | | Recycled Content: None<br>Nanomaterials: No |
| Silane Modified Polymers | Base material | 20-65% | None | OK | | | | Recycled Content: None<br>Nanomaterials: No |
| Calcium carbonate | Filler | 40-60% | None | OK | | | | Recycled Content: None<br>Nanomaterials: No |
| Poly[oxy(methyl-1,2-ethanediyl)],α-butyl-ω-hydroxy- | Plasticizer | 1-10% | None | OK | | | | Recycled Content: None<br>Nanomaterials: No |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Titanium dioxide | Pigment | 2.0-5.0% | None | OK | | | | The classification of TiO2 as a suspected carcinogen by inhalation (Commission Regulation (EU) 2020/217) came into enforcement from 1st October 2021. The classification applies to TiO2 in powder form, containing 1% or more of particles with aerodynamic diameter less than 10 microns.However, Novatech's suppliers declared that all their pigment grade TiO2 contain less than 1% of particles with aerodynamic diameter less than or equal to 10 microns by using international recognized test method EN15051-2. Therefore, based on the testing and no further guidance from EU Commission, the TiO2 do not meet the criteria for classification as Category 2 suspected carcinogen by route of inhalation. In addition, Ti02 is delivered to site in bound state and does not constitue a risk at any level to adhesive or building users. |
| Carbon Black | Pigment | 2.0-5.0% | None | OK | | | | Recycled Content: None<br>Nanomaterials: No |
| Diiron trioxide | Pigment | <0.5% | H411(Aquatic Chronic 2) | OK | | | | The substance is toxic to aquatic life with long lasting effects. However, the manufacturer of the product operates under Environmental Management System and therefore risk is considered low. The pigment is presented in the bound state, it does not cause harm to the end users. |
| Iron hydroxide oxide yellow | Pigment | <0.5% | None | OK | | | | Recycled Content: None<br>Nanomaterials: No |

Comments:

VOC Content : Sum of VOC (TVOC) was tested below 0.005mg/m3 which is below the limit value. The test was conducted by Eurofins on 26th February 2020.