GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

Global GreenTag CertTM Certified
PLATINUM HEALTH
HealthRate™

RLA Polymers Pty Ltd

RLA Luminous Grout, Roberts Generale Levelling Compound

RLA LUMINOUS GROUT is a rapid setting ceramic tile grout designed for use with most types of Ceramic, Mosaic and Natural Stone. Roberts GENERALE is rapid drying self levelling compound with excellent flow properties formulated for self- levelling differences on new or existing internal concrete substrates.

Products/Ranges:	Multiple
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Adhesives, Finishes, Moisture Protection
CSI Masterformat:	09 30 50, 09 05 16
Licenced Site/s:	Victoria and NSW Australia
Licence Number:	RLA:AD04:2025:PH
Licence Date:	23 January 2025
Valid To:	23 January 2027
Standard:	GGT International v4.1
Screening Date:	12 December 2024
PHD URL:	www.globalgreentag.com/certificate/2896/

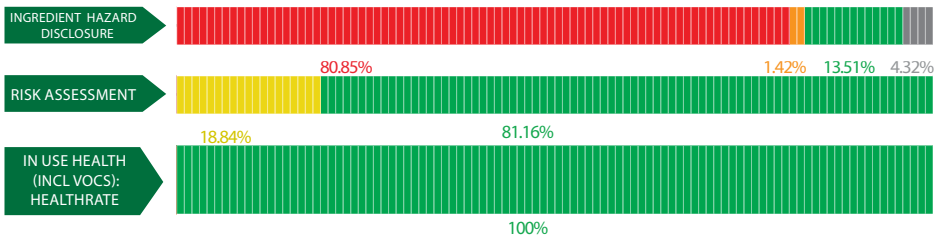
RLA POLYMERS

PHD Summary	Inventory Threshold:	Inventory Method:
Percentage Assessed: 100%	100ppm Product Level	Nested Materials

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL ° & LEED ° Material Transparency & Optimization credits included below:
- 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 5); Feature 25 (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 ~ 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

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 The hazard level of this ingredient indicates that the ingredient has no toxic hazard statements with no identified health effects.
Yellow	Level 3 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 The hazard level of this ingredient indicates that the ingredient is moderately toxic and/or with a moderate health effects.
Red	Level 1 The hazard level of this ingredient indicates that the ingredient is highly toxic with a potential for severe health effects.
Black	Level 0 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 Not able to be categorised due to lack of toxicity impact information.

Colour	Risk Assessment & In Use Health Assessment Outcome
Green	No Concerns 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 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 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 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 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 Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients 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 Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Portland cement	65997-15-1	30-50%	H315, H318, H335, H317, H319, H351, H372	OK				The substance may cause eye damage, skin irritation and respiratory irritation. The manufacturing facility has OHS policies in place to mitigate the risks during manufacturing stage. The workers are recommended to use Health and Safety equipments like PPE during the installation stage. The substance once cured is less harmful to humans, and it is covered with corresponding floor covering which will reduce the exposure to end users. Recycled Content: Unknown Nano Materials: Unknown
Limestone	1317-65-3	15-30%	H315, H318, H319, H335, H350, H372	OK				The substance may cause eye damage, skin irritation and respiratory irritation. The manufacturing facility has OHS policies in place to mitigate the risks during manufacturing stage. The workers are recommended to use Health and Safety equipments like PPE during the installation stage. The substance once cured is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Gypsum	13397-24-5	1-5%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Calcium oxide	1305-78-8	0.01-1%	H318, H335, H315	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Silicon dioxide	14808-60-7	30-50%	IARC 1	OK				The substance is carcinogenic to humans. It is essential to use proper Health & safety equipemts while using this substance. The manufacturing facility has OHS policies in place to reduce risks. It is recommended to use personal protection equipment during the installation stage. The substance is cured and embedded in the final product. In this stage it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Ashes	68131-74-8	1-5%	H319, H331, H314, H302	OK				The substance may cause eye or skin irritation. The manufacturing facility has OHS policies in place to reduce the risks. The substance is embedded in the final product and in this stage it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Slags, ferrous metal, blast furnace	65996-69-2	1-5%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Magnesium oxide	1309-48-4	001-1%	H319, H315, H410, H317, H335, H371, H302, H318, H304, H361, H336, H400, H225, H373, H332, H334, H411	OK				The substance may cause eye or skin irritation. The manufacturing facility has OHS and EMS policies in place to reduce the risks. The substance is embedded in the final product and in this stage it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknown
Iron oxide	1345-25-1	1-5%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown

Calcium hydroxide	7719-01-9	0.01-1%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Polymers	Proprietary	1-5%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Aluminium oxide	1344-28-1	1-5%	H302, H332, H351	OK				The substance is harmful if swallowed and inhaled and is suspected of causing cancer.The manufacturing facility has OHS policies in place to reduce the risks. The substance is embedded in the final product, hence risks to end users are unlikely. Recycled Content:Unknown Nano Materials: Unknown
Plasticiser	Proprietary	1-5%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Cellulose	9032-42-2	0.01-1%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Aluminium sulfate hydrate	17927-65-0	0.01-1%	H318, H290	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Calcium sulfate	7778-18-9	5-15%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Lithium carbonate	554-13-2	0.01-1%	H302, H319	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Biocide	10605-21-7	0.01-1%	H340, H360, H317, H400, H410	OK				The substance may cause genetic defects, and is very toxic to aquatic life with long lasting effects . It may also cause an allergic skin reaction. The manufacturing facility has OHS & EMS policies in place to mitigate the exposure risks. The substance once cured and hardened it is less harmful to the end users. The final product is covered with floor coverings which will reduce the exposure to end users. Recycled Content: Unknown Nano Materials: Unknown
Slags, ferrous metal, blast furnace	65996-69-2	5-15%	None	OK				There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Cellulose, 2-hydroxyethyl methyl ether	9032-42-2	0.01-1%	None					There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
Coatings	Proprietary	1-5%	None					There are no identifiable risks associated with this substance. Recycled Content: Unknown Nano Materials: Unknown
2,2-dimethylpropane-1,3-diol	126-30-7	1-5%	H318	OK				The unreacted substance may cause serious eye damage. The manufacturing facility has OHS policies in place to reduce the risks. The substance in the final product is cured and hardened. In this stage it is less harmful to end users. Recycled Content: Unknown Nano Materials: Unknownown

GHS H-Statement classification
H225: Flammable Liquid 2
H290: May be corrosive to metals.
H302: Acute Toxicity 4- Oral
H314: Skin Corrosion 1B

H315: Skin Irritation 2
H317: Skin Sensitising 1
H318: Eye Damage 1
H319: Eye Irritation 2
H331: Acute Toxicity 3- Inhalation
H332: Acute Toxicity 4- Inhalation
H334: Respiratory Sensitisation1
H335: Specific target organ Single Exposure 3, Lungs/ Respiratory
H336: Specific target organ toxicity - Single, lungs/inhalation/ oral
H340: Germ cell mutagenicity
H350: Carcinogenicity 1B
H360: Reproductive Toxicity 1B
H361: Reproductive Toxicity 2
H371: Specific target organ toxicity - Single 2, Lungs
H373: Specific target organ repeated, Auditory system
H411: Aquatic Acute 1/ Aquatic Acute Chronic 2
H412: Aquatic Acute 1/ Aquatic Acute Chronic 3

IARC classification:
IARC 1: Carcinogenic to humans
IARC 3: Suspected to be Carcinogenic to humans

Comments:
The certified product range includes:

RLA Luminous Grout	Roberts Generale Levelling Compound

VOC Emissions: TVOC emission g/l for the final product is <50g/l which is the Max TVOC content in g/l for ready to use product as per GBCA requirements. VOC test conducted as per ASTM D3690-05 Standard Practice for Determining Volatile Organic Compound (VOC) Content of Paints and Related Coatings and is conducted by FORAY Laborateries (NATA Accreditation 1231)