GLOBAL GREEN TAG INTERNATIONAL PTY LTD

PHD™
Product Health Declaration

Global GreenTag CertTM Certified
PLATINUM HEALTH
HealthRate™

Raven Products

Door and Window Sealing Systems

Raven's door and window seals provide protection against energy loss, weather, noise, fire, smoke, insects, and bushfire embers. Designed for residential, commercial, and industrial applications, the range includes automatic door bottom seals, perimeter seals, brush strip seals, threshold plates, and rubber access ramps. For full product ranges covered see pp.10-12 of this declaration.

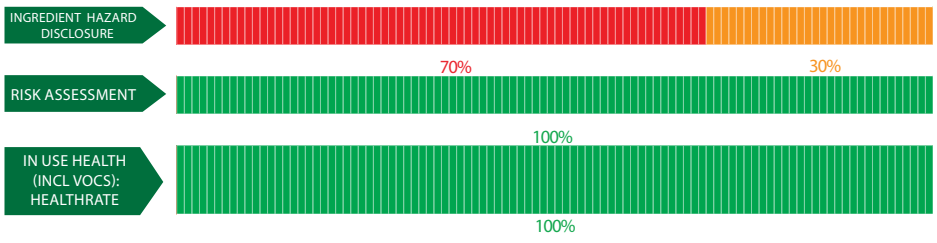
Products/Ranges:	Door and Window Sealing Systems
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Windows & Door Seals
CSI Masterformat:	07 90 00
Licenced Site/s:	Jiangsu, China
Licence Number:	RAV:RV01:2025:PH
Licence Date:	12th May 2025
Valid To:	12th May 2026
Standard:	GGT International v4.1
Screening Date:	11th February 2025
PHD URL:	www.globalgreentag.com/certificate/2937

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 11 (Part 1); Feature 25 (Part 3, 4) , and, meets IWBI ® WELL ® v2.0 as Recognized for ~ X07 (Parts 1, 3); X08 (Part 2); as a Compliant Technical Document (Audited) for ~ X01 (Part 1); X05 (Part 2); 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
Material: Metals								
Aluminium	No Cas Number	5 - 100%		OK				Metals are not considered a high risk homogenous ingredient under the Global GreenTag International Standard and are derogated from assessment. There are No Concerns raised for the In-Use Health Assessment. Recycled Content: None Nano Materials: Unknown
Steel	No Cas Number	1 - 70%		OK				Metals are not considered a high risk homogenous ingredient under the Global GreenTag International Standard and are derogated from assessment. There are No Concerns raised for the In-Use Health Assessment. Recycled Content: None Nano Materials: Unknown
Brass	No Cas Number	1-5%		OK				Metals are not considered a high risk homogenous ingredient under the Global GreenTag International Standard and are derogated from assessment. There are No Concerns raised for the In-Use Health Assessment. Recycled Content: None Nano Materials: Unknown
Material: EPDM Seal								
ethylene	74-85-1	15-30%	IARC 3, H336	OK				The hazard for ethylene is when it's a gas. Once transformed into a polymer there aren't any inhalation hazards. There are no concerns identified for human health in the in-use stage. Recycled Content: None Nano Materials: Unknown
propene; propylene	115-07-1	15-30%	IARC 3	OK				The hazard for propene is when it's a gas. Once transformed into a polymer there aren't any inhalation hazards. There are no concerns identified for human health in the in-use stage. Recycled Content: None Nano Materials: Unknown
5-ethylidene-8,9,10-trinorborn-2-ene	16219-75-3	1-5%	H332, H411, H304, H226, H373, H315, H317	OK				The human health hazard is breathing in vapours when it's a liquid. Once transformed into a polymer there are reduced inhalation hazards since the chemical is not easily volatile. The risk assessment concludes it is highly unlikely aspiration hazard as a polymer during use. There are no concerns identified for human health in the in-use stage. Recycled Content: None Nano Materials: Unknown
Material: EPDM Seal 2								
Paraffins (petroleum), normal C>10	64771-71-7	15-30%	H304	OK				The human health hazard is breathing in vapours when it's a liquid or heated. Once transformed into the EPDM polymer there are reduced inhalation hazards since the chemical is not easily volatile. The risk assessment concludes it is highly unlikely aspiration hazard during use. There are no concerns identified for human health in the in-use stage. Recycled Content: None Nano Materials: Unknown

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
ETHYLENE-PROPYLENE-ETHYLIDENENORBORNENE TERPOLYMER	25038-36-2	5-15%	None, H412	OK				The human health hazard is breathing in vapours when it's a liquid or heated. Once transformed into the EPDM polymer there are reduced inhalation hazards since the chemical is not easily volatile. The risk assessment concludes it is highly unlikely aspiration hazard during use. There are no concerns identified for human health in the in-use stage. Recycled Content: None Nano Materials: Unknown
Silicic acid, magnesium salt	1343-88-0	1-5%	None, H319	OK				There are general hazards for this chemical as a powder. It can cause eye irritation, however the final product isn't in powder form. There are no concerns identified for human health in the in-use stage. Recycled Content: None Nano Materials: Unknown
Polypropylene	9003-07-0	1-5%	IARC 3, None, H228	OK				There were no confirmed hazards identified during our analysis, besides an IARC 3 classification. This means the sustance is unclassifiable as to carcinogenicity in humans. This rating does not raise any issues of concern. There are no concerns identified for human health in the in-use stage. Recycled Content: None Nano Materials: Unknown
Aluminium hydroxide	21645-51-2	1-5%	None	OK				There were no confirmed hazards identified during our analysis. There are no concerns identified for human health in the in-use stage. Recycled Content: None Nano Materials: Unknown
Proprietary Substance	Auxiliary Chemicals	1-5%	None	OK				The manufacturer uses additional auxiliary chemicals. These have been declared non-hazardous. There are no concerns identified for human health in the in-use stage. Recycled Content: None Nano Materials: Unknown
Material: High Density Polyethylene								
Ethene, homopolymer	9002-88-4	0.01-1%	IARC 3, None, H412, H335, H373, H315, H334, H319, H317	OK				The substance is used to make a solid HDPE plastic has no declared hazardous plasticizers. There is potential for the product to form microplastics over time into the air. At this stage there are no concerns identified for human health in this product during the in-use stage. However, research into the human hazards of microplastics is ongoing and we remain monitoring the research and exposure risks. Recycled Content: None Nano Materials: Unknown
Material: Polypropylene Retaining Clip								
Polypropylene	Plastic	0.01-1%	None	OK				A substanced declaration from this manufacturer declared no hazards. The In-Use risk assessment scenario identifies no concerns for human health. Recycled Content: None Nano Materials: Unknown
Material: Pile Weather Strip / Polyproylene / Silicone with UV								
Pile Weather Strip / Polyproylene / Silicone with UV	Covered by substance declaration	15-30%	None	OK				A substanced declaration from this manufacturer declared no hazards. The In-Use risk assessment scenario identifies no concerns for human health. Recycled Content: None Nano Materials: Unknown

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
Material: Polycarbonate								
Poly[oxycarbonyloxy-1,4-phenylene(1-methylethylidene)-1,4-phenylene]	24936-68-3	1-5%	None	OK				This substance is polycarbonate. There has been renewed discussion about the toxicity of BPA even at very low levels forming BPA dust from polycarbonate products. This product is a potential source of BPA but based on information provided the amount is estimated below our 100 ppm assessment threshold. The In-Use risk assessment scenario identifies no concerns for human health. Recycled Content: None Nano Materials: Unknown
Glass, oxide, chemicals	65997-17-3	0.01-1%	H350	OK				The fibre glass is a potential hazard when inhaled. During the in-use stage there is an unlikely risk of inhalation. There are no concerns for human health during the in-use stage. Recycled Content: None Nano Materials: Unknown
Remaining undisclosed Chemicals with CAS	Filler	1-5%	None	OK				The manufacturer has declared no hazards of concern for the remaining substances. There are no concerns for the In-Use stage. Recycled Content: None Nano Materials: Unknown
Material: Polycarbonate Extrusion								
Poly[oxycarbonyloxy-1,4-phenylene(1-methylethylidene)-1,4-phenylene]	24936-68-3	85-100%	None	OK				The polycarbonate used is tested for BPA. BPA was not detected above our 100 ppm assessment threshold. There is potential for toxicity concerns below this assessment threshold however this assessment does not cover these potential risks below the assessment threshold. The In-Use risk assessment scenario identifies no concerns for human health. Recycled Content: None Nano Materials: Unknown
Material: Flame Retardant Silicone								
Polysiloxanes, di-Me, Me vinyl, vinyl group-terminated	68083-18-1	5-15%	H319, H335, H315	OK				There are no relevant hazards for demal exposure in the final products for this substance. The In-Use risk assessment scenario identifies no concerns for human health. Recycled Content: None Nano Materials: Unknown
Aluminium hydroxide	21645-51-2	5-15%	None	OK				There are no relevant hazards for demal exposure in the final products for this substance. The In-Use risk assessment scenario identifies no concerns for human health. Recycled Content: None Nano Materials: Unknown
Silicon dioxide	7631-86-9	1-5%	IARC 3	OK				There are no relevant hazards for demal exposure in the final products for this substance. The In-Use risk assessment scenario identifies no concerns for human health. Recycled Content: None Nano Materials: Unknown

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
Siloxanes and Silicones, di-Me, hydroxy-terminated	70131-67-8	0.01-1%	H319, H315, H361, H335, H373, H302	OK				The reproduction risk is from exposure to low molecular weight and cyclic siloxanes through dermal contact. The siloxanes are processed to form a elastomer which is expected to reduce exposure to low molecular weight siloxanes. The level of exposure in the final product is expected to contain low molecular weight siloxanes below the assessment threshold. Therefore there are no concerns for human health in-use. Recycled Content: None Nano Materials: Unknown
Material: Polybutylene Terephthalate Flame Retardant Glass Fibre								
Glass, oxide, chemicals	65997-17-3	1-5%	H350	OK				The fibre glass is a potential hazard when inhaled. During the in-use stage there is an unlikely risk of inhalation. There are no concerns for human health during the in-use stage. Recycled Content: None Nano Materials: Unknown
antimony trioxide	1309-64-4	0.01-1%	H351	OK				The hazard statement for H351 is for suspected carcinogentiy and is likely only for inhalation exposure with potentially hazardous levels only entering the environment if the product is broken and formed into a dust, which is highly unlikely during the In-Use stage. There are no concerns for human health during the in-use stage. Recycled Content: None Nano Materials: Unknown
tetrahydrofuran	109-99-9	0.01-1%	IARC 2B, , H351 , H335 , H319	OK				Tetrahydofuran as a highly flammable liquid can cause vapour that when inhaled could be carcinogenic. This product is a solid product in the In-Use stage. There is an unlikely risk of this chemical's toxicity in the In-Use stage. There are no concerns for human health during the in-use stage. Recycled Content: None Nano Materials: Unknown
Remaining undisclosed Chemicals with CAS	Filler	1-5%	None	OK				The manufacturer has declared no hazards of concern for the remaining substances. There are no concerns for the In-Use stage. Recycled Content: None Nano Materials: Unknown
Material: PE Foam Adhesive Tape								
Yellow Release Paper with White/Black Foam Double Sided Tape	Adhesive Tape	1-5%	None	OK				This material is a solid adhesive tape in the In-Use stage. We have assessed the risk of this chemical based on Substance Declaration. There were no hazards declared by identified manufacturer therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: No Nano Materials: Unknown
Material: Adhesive Release Paper								
Pink Film	Adhesive Release Paper	1-5%	None	OK				This material is a solid adhesive tape in the In-Use stage. We have assessed the risk of this chemical based on Substance Declaration. There were no hazards declared by manufacturer therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: No Nano Materials: Unknown
Materials: Polyvinyl Chloride								

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
Ethene, chloro-, homopolymer	9002-86-2	15-30%	IARC 3, None, H319, H335, H315, H362, H412, H400, H410	OK				PVC microplastics when ingested can induce potentially toxicity effects in humans at low levels however ingestion is highly unlikely when used as a building product during the In-Use phase. The inhalation risk over the In-Use lifetime when this substance is bound as a polymer and mounted to the door and sealing frames is unlikely. Currently, there are No Concerns identified for human health. Recycled Content: Unknown Nano Materials: Unknown
Bis(2-ethylhexyl) terephthalate	6422-86-2	5-15%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Aluminium hydroxide	21645-51-2	1-5%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Calcium carbonate	471-34-1	1-5%	H318, H335, H315	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were hazards relevant for inhalation risk identified but since this is not present as a powder in the final product but a solid bound material therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Rutile (TiO2)	1317-80-2	0.01-1%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Zinc distearate	557-05-1	5-15%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown

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
Calcium distearate	1592-23-0	5-15%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Ethene, homopolymer	9002-88-4	5-15%	IARC 3, H412, H335, H373, H315, H334, H319, H317	OK				The hazards relate to inhalation during manufacturing if heating is applied. This is unlikely during the in-use stage. There are no concerns identified for the in-use stage. Recycled Content: None Nano Materials: Unknown
Material: Rigid PVC								
Ethene, chloro-, homopolymer	9002-86-2	50-70%	IARC 3, H319, H335, H315, H362, H412, H400, H410	OK				PVC microplastics when ingested can induce potentially toxicity effects in humans at low levels however ingestion is highly unlikely when used as a building product during the In-Use phase. The inhalation risk over the In-Use lifetime when this substance is bound as a polymer and mounted to the door and sealing frames is unlikely. Currently, there are No Concerns identified for human health. Recycled Content: Unknown Nano Materials: Unknown
Calcium carbonate	471-34-1	5-15%	H318, H335, H315	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were hazards relevant for inhalation risk identified but since this is not present as a powder in the final product but a solid bound material therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Rutile (TiO2)	1317-80-2	1-5%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Zinc distearate	557-05-1	0.01-1%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown

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
Calcium distearate	1592-23-0	0.01-1%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Ethene, homopolymer	9002-88-4	0.01-1%	IARC 3, H412, H335, H373, H315, H334, H319, H317	OK				The hazards relate to inhalation during manufacturing if heating is applied. This is unlikely during the in-use stage. There are no concerns identified for the in-use stage. Recycled Content: None Nano Materials: Unknown
Material: Intumescent								
Intumescent	Covered by substance declaration	30-50%	None	OK				This material is a solid material in the In-Use stage. We have assessed the risk of this chemical based on Substance Declaration. There were no hazards declared by manufacturer therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Material: Soft Open Cell Polyurethane Seal								
Double Sided Adhesive Tape	Foam Tape	5-15%	None	OK				This material is a foam tape t in the In-Use stage. We have assessed the risk of this chemical based on Substance Declaration. There were no hazards declared by identified manufacturer therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Material: Recycled Rubber								
Rubber	Rubber	85-100%	None	OK				This material is recycled rubber from tyres. While there is some concern when shredded tyre recycled content is used outside in large quantities for aquatic toxicity due to the presence of 6PPD-q the use case is as a solid block and expected primarily to be under cover if outside away from rain. The toxicity observed in aquatic environment is not expected in humans. No Concerns are identified for the material In-Use stage for this PHD HealthRATE. Recycled Content: 70% Post-C Nano Materials: Unknown
Material: EPDM Foam								
ETHYLENE-PROPYLENE-ETHYLIDENENORBORNENE TERPOLYMER	25038-36-2	30-50%	None, H412	OK				This chemical has no human health hazards. This In-Use risk assessment scenario identifies No Concerns for human health. Recycled Content: Unknown Nano Materials: Unknown

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
Three component ethylene rubber	Synthetic Monomers	30-50%	H332, H411, H304, H373, H315, H317, IARC3, H336	OK				This material is a rubber in the In-Use stage. We have assessed the risk of this chemical based on Substance Declaration. There were no hazards declared but the materials did return some hazards. These are unlikely when the substance is a solid and with a potential inhalation hazard if heated to high temperatures. This is unlikely during the in-use stage. Therefore there are No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Material: Release Paper								
Liquid styrene polymer with 2-methyl-1,3-butadiene	25038-32-8	30-50%	None, H412	OK				This chemical shows aquatic toxicity as a liquid, however when present as a solid in the tape there is low risk. There are no human health hazards identified for this substance therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Glassine	1337-88-8	15-30%	None	OK				There are no human health hazards identified for this substance therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Glass, oxide, chemicals	65997-17-3	5-15%	H350	OK				The hazard statement for H350 carcinogenity is only for inhalation exposure if the product is broken and multiple glass fibers released, which is highly unlikely during the In-Use stage therefore there are No Concerns indentified for the In-Use stage of this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Material: Flexible PVC								
Ethene, chloro-, homopolymer	9002-86-2	15-30%	IARC 3, H412, H335, H373, H315, H334, H319, H317	OK				The hazards relate to inhalation during manufacturing if heating is applied. This is unlikely during the in-use stage. There are no concerns identified for the in-use stage. Recycled Content: None Nano Materials: Unknown
Plasticiser	4654-26-6	15-30%	None	OK				

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
Calcium carbonate	471-34-1	5-15%	H318, H335, H315	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were hazards relevant for inhalation risk identified but since this is not present as a powder in the final product but a solid bound material therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Aluminium hydroxide	21645-51-2	5-15%	None	OK				There are no relevant hazards for demal exposure in the final products for this substance. The In-Use risk assessment scenario identifies no concerns for human health. Recycled Content: None Nano Materials: Unknown
Rutile (TiO2)	1317-80-2	0.01-1%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Zinc distearate	557-05-1	0.01-1%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
Calcium distearate	1592-23-0	5-15%	None	OK				This material is a part of a solid material in the final product. We have assessed the risk of this chemical based on indentified hazards from the ECHA repository. There were no hazards identified and therefore No Concerns are identified for the material In-Use stage for this PHD HealthRATE Assessment. Recycled Content: None Nano Materials: Unknown
LMPE	Lubricant	0.01-1%	None	OK				A substanced declaration from this manufacturer declared no hazards. The In-Use risk assessment scenario identifies no concerns for human health. Recycled Content: None Nano Materials: Unknown

This certificate covers product family categories:

Aluminium Automatic Door Bottom Seal - EPDM:
RP3
RP60

Aluminium Automatic Door Bottom Seal - Silicon:
RP8Si
RP35Si
RP38Si
RP70Si
RP92Si
RP99Si
RP126Si
RP127Si
RP128SI
RP144Si

Aluminium Door Bottom Sweep Seals - EPDM:
RP5
RP26
RP30
RP31
RP54
RP54
RP81

Aluminium Door Bottom Sweep Seals - PVC:
RP4
RP4b
RP4T
RP54
RP54
RP86
RP123

Aluminium Door Bottom Sweep Seals - PVC + Silicon (Intumescent):
RP4FZ

Aluminium Perimeter Seal - EPDM:
RP23

Aluminium Perimeter Seal - Polypropylene:
RP12
RP71

PVC Perimeter Seal - Polypropylene:
RP69

Aluminium Perimeter Seal - PVC:
RP10
RP39
RP65
RP85

Aluminium Perimeter Seal - Silicon:
RP10Si
RP16Si
RP24Si
RP43Si
RP44Si
RP47Si
RP71Si
RP78HSi
RP78Si
RP84Si
RP87Si
RP87HSi
RP93Si
RP94Si
RP118Si
RP130Si

Soft Closed cell EPDM Seals:
RP48
RP59
RP108

Aluminium & PVC Anti-finger Jam Seals:
RP62BW
RP62LGBK
RP62s

Aluminium & EPDM Anti-finger Jam Seals:
RP62
RP62L
RP62TH

Aluminium Thresholds:
RP13
RP18
RP19
RP27
RP28
RP29
RP66
RP77
RP82
RP91
RP95
RP96
RP98
RP112
RP115
RP116
RP137
RP138
RP151
RP170
RP171
RP172

Astragal Seals - Aluminium & Polypropylene or Silicon or TPE:
RP79
RP79H
RP79Si
RP88

Astragal Seals - Polycarbonate & Polypropylene:
RP42
RP103
RP104

PVC Door Bottom Sweep Seals:
RP17
RP17
RP83

Aluminium Door Bottom Sweep Seals - PVC:
RP89

PVC Intumescent Fire Seals:
RP53
RP160
RP1004
RP1004F
RP1004S
RP1004SA
RP1504
RP1504SA
RP2004
RP2004F
RP2004S
RP2004SA
RP2504
RP3004
RP3004SA

PVC Perimeter or Astragal Seals & Polypropylene:
RP7
RP56
RP69
RP73
RP105
RP120
RP124
RP150
RP134

Recycled Rubber Threshold Access Ramps:
TR015-AS
TR025
TR025-AS
TR035-AS
TR050