

PHD™

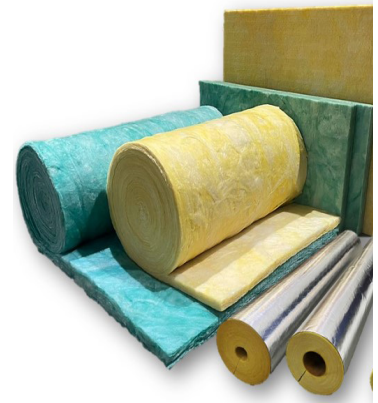
Product Health Declaration

Arabian Fiberglass Insulation

Glass Wool Rigid Board, HD Pipe Insulation and Glass Wool Blankets

AFICO Insulations, including Board, Blanket, and Heavy Density Pipe Insulations, are composed of fine, stable, and uniformly textured inorganic glass fibers bonded with a non-water-soluble, fire-retardant, and heat-resistant resin. The Board Insulation forms semi-rigid and rigid boards, while the lightweight Blanket Insulation is flexible. Heavy Density Pipe Insulation, designed for durability, is preformed with a single seam, opening easily to fit pipes and snapping closed after placement. All AFICO insulations are free from coarse fibers and shot.

Products/Ranges:	Blanket & Batts, Board and Pipe Insulations
Product Stages Assessed:	Manufacturing + In-Use
Product Type:	Glasswool Insulation
CSI Masterformat:	07 21 00
Licenced Site/s:	Dammam, Saudi Arabia
Licence Number:	ARA:DS01:2024:PH
Licence Date:	5th December 2024
Valid To:	5th December 2025
Standard:	GGT International v4.1
Screening Date:	18th November 2024
PHD URL:	https://www.globalgreentag.com/certificate/2880/



PHD Summary

Percentage Assessed: **100%**

Inventory Threshold:

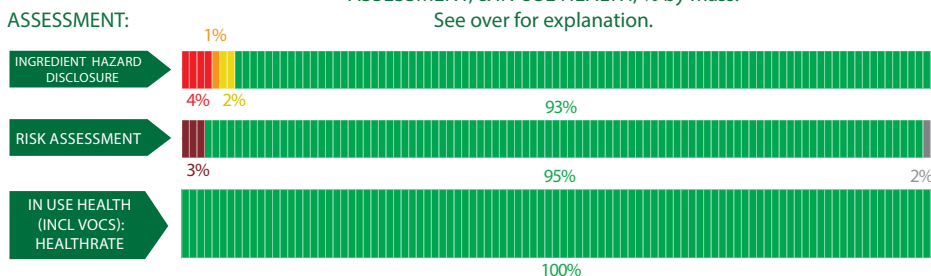
100ppm Product Level

Inventory Method:

Nested Materials

- GreenTag Banned List Compliant.
- GreenTag PHD recognized by WELL™ & LEED™ Material Transparency & Optimization credits included below:
- Meets 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 1, 2, 3, 4, 5); Feature 11 (Part 1, 5); Feature 25 (Part 1, 2, 3, 4, 5), 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, 2, 3); X05 (Part 1, 2); X06 (Part 1, 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.



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:

- 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) 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

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	REACH Compliance	Ingredient Hazard Disclosure	Risk Assessment	In Use Health Assessment	Comment
Glass Wool Rigid Board, HD Pipe Insulation and Glass Wool Blankets								
Urea, polymer with formaldehyde and phenol	25104-55-6	1-5%	H317 (Skin Irrit 1)	OK				The substance is chemically combined into the final product limiting exposure to end users.
Proprietary Substance	Binder	5-15%	None	OK				The substance pose no risks to end-users.
Window glass cullet	Flux	10-20%	None	OK				The cullet is melted down and spun into fiber, combining with sand and other materials which limit hazard exposure to end users. Recycled Content: 100% post-consumer.
Plant cullet	Flux	85-100%	None	OK				The cullet is melted down and spun into fiber, combining with sand and other materials which limit hazard exposure to end users. Recycled Content: 44% pre-consumer and 33% post-consumer.
Limestone	1317-65-3	1-5%	H315 (Skin Irrit 2)	OK				Chemically bonded within the final product and does not present hazards to end users.
Silicondioxide	14808-60-7	1-5%	None	OK				The substance is chemically combined into the final product limiting exposure to end users.
Proprietary Substance	Fomer	0.01-1%	None	OK				The substance pose no risks to end-users.
Sodium carbonate	497-19-8	1-5%	H319 (Eye Irrit 2)	OK				This substance is added early in the melting phase, and lose their original chemical identities after chemical reaction, resulting in an inert, solid glass structure and pose no hazards to end users.
Boron sodium oxide	12179-04-3	1-5%	H360FD	SVHC				The use of borax in insulation products is approved because the risks are managed effectively, and no suitable alternatives exist for its specific function in the industry. While borax can pose toxicity risks at high exposure levels in industrial settings, these risks are minimized with proper controls. End users are typically not exposed to borax, and boron exposure to end users does not cause health concerns. * Avoid contacting with broken skin.

* No GHS H-Statement classification

Comments:

SVHC: Substance of Very High Concern listed by EU Ecolable

Measured Concentration of Total Volatile Organic Compunds (TVOC): Less than/equal to 0.5mg/m3 (in compliance with CDPH/EHLB Standard Method v1.2-2027).