



Armstrong Ceiling Solutions Fine Fissured and Dune

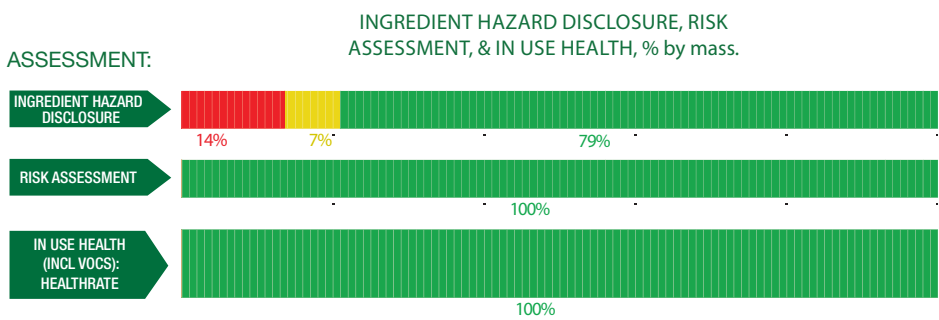
Armstrong Ceiling's Fine Fissured and Fine Fissured high acoustic are high performance, low VOC, durable mineral fibre ceiling panels.
Dune is also a mineral fibre ceiling product that is coated with a durable fine textured acrylic latex paint with BioBlock™ mould/mildew inhibitor

Products/Ranges:	Includes Fine Fissured High Acoustic
Product Stages Assessed:	Material inputs, manufacturing, in-use
CSI Masterformat:	09 51 00 Acoustical Ceilings
Licenced Site/s:	Wujian, Suzhou, China
Licence Number:	AWI:AC08:2019:PH
Licence Date:	31st December 2019
Valid To:	31st December 2022
Standard:	GGT International v4.0
Screening Date:	1st February 2019
PHD URL:	https://www.globalgreentag.com/wp-content/uploads/2020/05/200514_AWI_Dune-Fine-Fissured_PHD_v1.pdf



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

- 📍 GreenTag Banned List Compliant
- 📍 Meets Indoor Air Quality VOC emission requirements, for Green Star, LEED & BREEAM
- 📍 Product Meets Optimisation requirements - No Grey or Red Light category ingredient
- 📍 Meets USGBC LEED® v4.0 and v4.1 Rating System MR Credit: Building Product Disclosure and Optimisation - Material Ingredients - Option 2 - International ACP - REACH Optimization
- 📍 Meets WELL™ v1.0 Features - 04 Part 4: Insulation and WELL™ v2.0 Features - X11: Long - Term Emission Control Part 2 Manage Flooring and Insulation Emissions, X13: Enhanced Material Precaution Part 1: Select Optimised Materials
- 📍 No worker exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- 📍 No user exposure to Carcinogens, Mutagens, Reproductive Toxicant or Endocrine Disruptors
- 📍 No environmental exposure to Carcinogens, Mutagens, Reproductive Toxicants 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 a 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	Ideal- Low No Comment required
Yellow	Medium to Low No Comment, or 'Issue of Concern' required depending on % of ingredient.
Orange	Moderate 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient.
Red	Problematic (Red): Target for Phase 'Issue of Concern' or 'Red Light' Comment depending on % of ingredient.
Grey	Uncategorised Not able to be categorised due to lack of toxicity impact information.
Black	Banned Ingredients 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
Perlite							
Perlite Ore	130885-09-5	45-55%	None				This ingredient is bound in the product by a resin and is not harmful to the user. Recycled Content: Unknown Nanomaterials: Yes
Recycled Paper							
Paper	Sound Absorber	10-15%	None				None Recycled Content: Both Nanomaterials: no
Industrial Starch							

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
Corn Starch	9005-27-0	5-10%	None				None Recycled Content: Unknown Nanomaterials: no
Fiberglass							
Glass wool	65997-17-3	1-5%	Carc. 1B. Eye Irrit. 2. Skin Irrit. 2. STOT SE 3. STOT RE 2. Acute Tox 4. Repr. 1A.*				During manufacturing, this ingredient may sensitize the skin, eyes and respiratory systems. Once reacted in the final product, this product is not expected to cause harm to the end-user. Minute Fiber glass particles from insulation products may end up in the air during the unlikely degradation of insulation products containing these ingredients. Recycled Content: Unknown Nanomaterials: Yes
Mineral wool							
Biowool	Sound Absorption	5-10%	* None				None Recycled Content: Unknown Nanomaterials: Yes
Filler							
Limestone	1317-65-3	5-10%	Skin Irrit. 2. Eye Dam. 1. Eye Irrit. 2. Carc. 1B. STOT 3.				During manufacturing, this ingredient can irritate the eyes and respiratory systems. However, once reacted in the final product, this product is not expected to cause harm to the end-user. Recycled Content: Unknown Nanomaterials: Yes
Resin							
Salt of Polycarboxylic acid	Curing Agent	0.2-1%	None				None Recycled Content: Unknown Nanomaterials: no
Water	7732-18-5	0.5-1%	None				None Recycled Content: Unknown Nanomaterials: no
Dextrose							
Liquid dextrose	5996-10-1	0.4-1%	None				None Recycled Content: Unknown Nanomaterials: no
Functional additive							
Kaolin	1332-58-7	1-5%	Skin Irrit. 2. Eye Irrit. 2. STOT RE 2. Re. Sens.1. Carc. 1A. STOT SE 3.				During manufacturing, this ingredient can irritate the eyes and respiratory systems. However, once reacted in the final product, this product is not expected to cause harm to the end-user. Recycled Content: Unknown Nanomaterials: Yes
Pigment							
Titanium dioxide	13463-67-7	0.5-1%	None				None Recycled Content: Unknown Nanomaterials: Yes

* No GHS H-Statement classification

Comments:

VOC emissions: Global GreenTag International Program Standard v4.0 Formaldehyde Content Supplementary Standard in accordance with requirements of the Green Building Council of Australia and LEEDv4, as updated from time to time.

VOC content: TVOC mg/m2/hr for Fine Fissured and Dune products applied on site is < 0.5mg/m2/hr measured using Test method ASTM D5116 "Standard Guide for Small Scale Environmental Chamber Determination of Organic Emissions from Indoor Materials/Products. Samples tested in September 2016 at Foray Laboratories - NATA Accreditation 1231. Test approved by CETEC