

HPD UNIQUE IDENTIFIER: 1542311936
CLASSIFICATION: 09 25 23 Lime Based Plastering
PRODUCT DESCRIPTION: Istria is a fine natural ready-mixed plaster made from slaked Lime putty and crushed marble. Istria can be pigmented to a wide range of colours to provide a long lasting and durable decorative plaster finish for interior walls and ceilings. Istria is a low VOC water based product.

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
☒ Nested Materials Method	☐ 100 ppm	Completed in 7 of 7 Materials	Characterized ☒ Yes ☐ No
☐ Basic Method	☒ 1,000 ppm	Explanation(s) provided for Residuals/Impurities?	<i>Provided weight and role.</i>
Threshold Disclosed Per	☐ Per GHS SDS	☒ Yes ☐ No	Screened ☒ Yes ☐ No
☐ Material	☐ Other		<i>Provided screening results using HPDC-approved methods.</i>
☒ Product			Identified ☐ Yes ☒ No
			<i>Provided name and CAS RN or other identifier.</i>

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE

CRUSHED MARBLE POWDER [CALCIUM CARBONATE BM-3 | EYE]
WATER [WATER (PRIMARY CASRN IS 7732-18-5) BM-4 | CALCIUM HYDROXIDE [CALCIUM HYDROXIDE LT-P1 | SKI | MAM | EYE]
UNDISCLOSED [UNDISCLOSED NoGS] UNDISCLOSED [UNDISCLOSED LT-UNK] UNDISCLOSED [UNDISCLOSED NoGS]
UNDISCLOSED [UNDISCLOSED NoGS]

Number of Greenscreen BM-4/BM3 contents ... 2
Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1
Nanomaterial ... No
INVENTORY AND SCREENING NOTES:
Antimicrobial Pesticides Reporting: This product does not contain substance(s) that are intentionally added above the [Product - 1,000 ppm] threshold to act as antimicrobials.

This Health Product declaration (HPD) was completed in accordance with the HPD Standard Version 2.2 and discloses hazards associated with all substances present at or above 1000 parts per million (ppm) in the finished product along with the role and percentage weight therefore Therefore, this HPD qualifies for the LEED v4 MR credit Building Product Disclosure and Optimization: Material Ingredient Reporting (Option 1). Substances not "Identified" are those considered proprietary to suppliers, and thus are "Undisclosed" on this HPD.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): <1 Regulatory (g/l): N/A
Does the product contain exempt VOCs: No
Are colorants available that do not increase the VOC content of the base paint when tinted: Yes

CERTIFICATIONS AND COMPLIANCE See Section 3 for additional listings.
VOC emissions: Eurofins Indoor Air Comfort GOLD - certified product
VOC emissions: Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD
VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC content: SCAQMD Rule 1113 Architectural Coatings - Fire Proofing Exterior Coatings,Fire Retardant Coatings, Graphic Arts (Sign) Coatings, High Temperature IM Coatings, Japans/Faux Finishing Coatings, Magnesite Cement Coatings, Roof Primers (Bituminous), Shellac, S

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4.1 Option 1.

Third Party Verified?	PREPARER: Self-Prepared	SCREENING DATE: 2024-12-11
☐ Yes	VERIFIER:	PUBLISHED DATE: 2024-12-11
☒ No	VERIFICATION #:	EXPIRY DATE: 2027-12-11

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- Basic Inventory method with Product-level threshold.
- Nested Material Inventory method with Product-level threshold
- Nested Material Inventory method with individual Material-level thresholds

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

CRUSHED MARBLE POWDER %: 50.0000 - 55.0000

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Geologically Derived Material
RESIDUALS AND IMPURITIES NOTES: Crushed marble with high purity (99 %. CaCO3). May also be represented by CASRN 471-34-1 (BM-3 NO). Supplier has confirmed that MgCO3 , Fe2O3 and SiO2 are all present at less than 1000 ppm		
OTHER MATERIAL NOTES: Marble is predominately Calcium Carbonate but small impurities of Magnesium carbonate (dolomite) may occur along with trace amounts of iron oxide and clay.		

CALCIUM CARBONATE

ID: 471-34-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2024-12-11 6:13:21		
%: 100.0000 - 100.0000	GreenScreen: BM-3	RC: PreC	NANO: No	SUBSTANCE ROLE: Filler
HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS		
EYE	GHS - New Zealand	Eye irritation category 2		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Crushed marble powder is made from the marble waste from the slab industry which is crushed and graded for use in Terazzo and other mineral plaster products				

WATER %: 28.0000 - 35.0000

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Other: Water
RESIDUALS AND IMPURITIES NOTES: Water may contain trace elements but well below the threshold		
OTHER MATERIAL NOTES: may contain trace quantities of limescale Ca+ ions		

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-12-11 6:13:22	
%: 100.0000 - 100.0000	GreenScreen: BM-4	RC: None	NANO: No	SUBSTANCE ROLE: Diluent
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
EXEMPT	European Union / European Commission (EU EC)		EU - REACH Exemptions	
			Exempted from REACH Annex IV listing due to intrinsic safety	
SUBSTANCE NOTES:				

CALCIUM HYDROXIDE

%: 15.0000 - 20.0000

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Geologically Derived Material
RESIDUALS AND IMPURITIES NOTES: Lime Putty is primarily Calcium hydroxide and water but may contain small amounts of Calcium carbonate , Magnesium Hydroxide and trace amounts of clay		
OTHER MATERIAL NOTES: May contain trace quantities of calcium carbonate		

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-12-11 6:13:22

%: 99.0000 - 100.0000

GreenScreen: LT-P1

RC: None

NANO: No

SUBSTANCE ROLE: Binder

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
SKI	GHS - New Zealand	Skin corrosion category 1C
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
EYE	GHS - Australia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Cosmetics and Personal Care Products

SUBSTANCE NOTES: Lime putty is primarily Calcium hydroxide and water but may contain small amounts of Calcium carbonate , Magnesium Hydroxide and trace amounts of clay

UNDISCLOSED

%: 1.0000 - 3.0000

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the ContentInventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: may contain small quantities of calcium carbonate

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-12-11 6:13:23	
%: 100.0000 - 100.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warnings found on HPD Priority Hazard Lists	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No listings found on Additional Hazard Lists	
SUBSTANCE NOTES: Supplier has shared substance name and CASRN under the terms of a non-disclosure agreement ; substance to remain proprietary to supplier. Substance has been screened against HPD Priority Lists using the HPD Builder				

UNDISCLOSED		%: 0.1000 - 0.5000	
PRODUCT THRESHOLD: 1000 ppm		RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Other Biological Material
RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).			
OTHER MATERIAL NOTES: material derived from plant based material			

UNDISCLOSED				ID: Undisclosed	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-12-11 6:13:23		
%: 100.0000 - 100.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern)					

UNDISCLOSED	%: 0.1000 - 0.5000	
PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).

OTHER MATERIAL NOTES: polymeric material in awater based dispersion

UNDISCLOSED				ID: Undisclosed	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-12-11 6:13:23		
%: 100.0000 - 100.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Dispersant	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.					

UNDISCLOSED %: 0.0400 - 0.1500

PRODUCT THRESHOLD: 1000 ppm	RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes	MATERIAL TYPE: Other Biological Material			
RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are known or expected to be present at or above the Content Inventory Threshold indicated that have a GS score of BM-1, LT-1, LT-P1 or NoGS based on information provided in supplier disclosure letters, supplier SDS, and as predicted by process chemistry (Pharos CML).					
OTHER MATERIAL NOTES: plant based additive					
UNDISCLOSED				ID: Undisclosed	
HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-12-11 6:13:24		
%: 100.0000 - 100.0000	GreenScreen: NoGS	RC: None	NANO: No	SUBSTANCE ROLE: Viscosity modifier	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
None found			No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION		
None found			No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: Identified on the US EPA Safer Chemical Ingredient List (Green Circle - Verified Low Concern)					

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS	Eurofins Indoor Air Comfort GOLD - certified product	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Eurofins Product Testing A/S Smedeskovvej 38 8464 Galten Denmark CustomerSupport@eurofins.com www.eurofins.com/VOC-testing CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2022-03-09 00:00:00 EXPIRY DATE: 2027-03-09 00:00:00	CERTIFIER OR LAB: Eurofins A/S
VOC EMISSIONS	Eurofins Confirmation LEEDv4 EQ - Low emitting products - wet applied - DiBt/AgBB/SCAQMD	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Eurofins Product Testing A/S Smedeskovvej 38 8464 Galten Denmark CustomerSupport@eurofins.com www.eurofins.com/VOC-testing CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2022-03-09 00:00:00 EXPIRY DATE: 2027-03-09 00:00:00	CERTIFIER OR LAB: Eurofins A/S
VOC EMISSIONS	CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: UL Environment - Marietta, 2211 Newmarket Parkway, Marietta, GA 30067-9399 USA CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES:	ISSUE DATE: 2023-07-18 00:00:00 EXPIRY DATE: 2028-07-18 00:00:00	CERTIFIER OR LAB: UL Environment
VOC CONTENT	SCAQMD Rule 1113 Architectural Coatings - Fire Proofing Exterior Coatings, Fire Retardant Coatings, Graphic Arts (Sign) Coatings, High Temperature IM Coatings, Japans/Faux Finishing Coatings, Magnesite Cement Coatings, Roof Primers (Bituminous), Shellac, S	
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: Eurofins Product Testing A/S Smedeskovvej 38 8464 Galten Denmark CustomerSupport@eurofins.com www.eurofins.com/VOC-testing CERTIFICATE URL: CERTIFICATION AND COMPLIANCE NOTES: VOC content to ISO EN 11890	ISSUE DATE: 2022-01-13 00:00:00 EXPIRY DATE:	CERTIFIER OR LAB: Eurofins A/S

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

KEYCOAT
MANUFACTURER (OR GENERIC): **Armourcoat Ltd**

HPD URL: No HPD available
ACCESSORY TYPE: Other
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Keycoat is used as a preparatory layer for Armuralia / Armural

ARMOURCOAT SOAP SEALER 75
MANUFACTURER (OR GENERIC): **Armourcoat Ltd**

HPD URL: No HPD available
ACCESSORY TYPE: Other
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Natural soap sealer for use with Lime and clay Lime plasters.
Provides protection and surface cleaning.

PIGMENT DISPERSION
MANUFACTURER (OR GENERIC): **Chromaflo**

HPD URL: No HPD available
ACCESSORY TYPE: Colorant System
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Range of Low VOC water based pigment dispersions

 Section 5: General Notes

Armural/ Armuralia may be tinted to a very wide range of colours using the Armourcoat Low VOC pigments

- General properties of the material
- provides a hard and durable polished surface for interior and exterior use* (limitations apply)
- natural mineral, environmentally friendly material
- wide colour range for interior use
- good workability in a wide range of site conditions
- up to 54% recycled content.
- good water vapour permeability
- non Newtonian thixotropic paste viscosity 70,000cP +/- 20000cP
- specific density 1.75 kg/L +/- 0.1 kg/L
- dry solids content 73 % +/- 3%

MANUFACTURER INFORMATION

MANUFACTURER: **Armourcoat Ltd**
ADDRESS: **Armourcoat Ltd**
Unit 2& 3 Morewood Close
Sevenoaks, Kent TN132HU
COUNTRY: **UK**

WEBSITE: **www.armourcoat.co.uk**
CONTACT NAME: **Duncan Mackellar**
TITLE: **Mr**
PHONE: **+44 1732460668**
EMAIL: **technical@armourcoat.co.uk**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / Material Threshold Substances listed within each material per threshold indicated per material
Nested Method / Product Threshold Substances listed within each material per threshold indicated per product
Basic Method / Product Threshold Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- a method for the assessment of exposure or risk associated with product handling or use,*
- a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and

