# LATICRETE® 253 Gold (Grey) by LATICRETE International

**Health Product** Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 331272456192 CLASSIFICATION: 09 30 00 Tiling

PRODUCT TYPE: Cementitious Setting Material (Tile)

PRODUCT DESCRIPTION: A superior polymer fortified bagged cementitious thin-set powder to be mixed with water to install ceramic tile and natural

stone using the thin-set method of installation



# Section 1: Summary

# **Basic Method / Product Threshold**

#### **CONTENT INVENTORY**

**Inventory Reporting Format** 

C Nested Materials Method

Basic Method

**Threshold Disclosed Per** 

Material

Product

**Threshold Level** 

C 1,000 ppm C Per GHS SDS

Other

Residuals/Impurities Evaluation

Completed

C Partially Completed

Not Completed

Explanation(s) provided:

For all contents above the threshold, the manufacturer has:

Characterized

Yes ○ No

Provided weight and role.

Screened

Yes ○ No

Provided screening results using HPDC-approved

methods.

Identified ○ Yes ⊙ No

Provided name and CAS RN or other identifier.

## **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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY

**GREENSCREEN SCORE** | HAZARD TYPE

LATICRETE 253 GOLD (GREY) [ QUARTZ BM-1\* | CAN | MAM | GEN PORTLAND CEMENT LT-P1 | CAN | END | MAM UNDISCLOSED LT-UNK LIMESTONE BM-3dg | MUL UNDISCLOSED LT-UNK | | MUL CALCIUM CARBONATE BM-3 | EYE LIMESTONE; CALCIUM CARBONATE BM-3dg | MUL UNDISCLOSED BM-2 | MUL UNDISCLOSED BM-3 | EYE ]

Number of Greenscreen BM-4/BM3 contents ... 4

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... LT-P1

Nanomaterial ... No

# **INVENTORY AND SCREENING NOTES:**

This HPD was created with Basic Inventory. Materials listed as Undisclosed in Section 2 is done to preserve integrity of formula and maintain competitive advantage. The component CAS# was used to identify associated hazards of these components.

\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. For this reason, this score is intentionally omitted from the "Contents highest concern" line above. See HPDC's Special Conditions policy for more information.

# **VOLATILE ORGANIC COMPOUND (VOC) CONTENT**

Material (g/l): 0.00 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: N/A

**CERTIFICATIONS AND COMPLIANCE** See Section 3 for additional listings.

VOC emissions: UL/GreenGuard Gold Certified

VOC content: EPA Method 24 - Volatile Matter Content (EPA 24) LCA: Environmental Product Declaration (EPD) by UL - Industry Generic

# **CONSISTENCY WITH OTHER PROGRAMS**

Pre-checked for LEED v4 Option 1. Pre-checked for LEED v4 Option 2. Pre-checked for LEED v4.1 Option 1.

Third Party Verified?

Yes

No

PREPARER: Self-Prepared

VERIFIER: **VERIFICATION #:**  **SCREENING DATE: 2024-04-03** PUBLISHED DATE: 2024-04-03 EXPIRY DATE: 2027-04-03

# Section 2: Content in Descending Order of Quantity

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

# **LATICRETE 253 GOLD (GREY)**

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: Residuals and impurities are measured by quantitative methods and are only displayed when they are potentially greater than 100 ppm.

OTHER PRODUCT NOTES: See SDS at https://laticrete.com for occupational exposure information.

QUARTZ				ID: <b>87347-84-0</b>		
HAZARD DATA SOURCE: I	Pharos Chemical and Materials Lib	orary	HAZARD S	SCREENING DATE: 2024-04-03 8:33:22		
%: 60.0000 - 70.0000	GreenScreen: BM-1	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Filler		
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS			
CAN	US CDC - Occupational Ca	rcinogens	Occupational Carc	inogen**		
CAN	CA EPA - Prop 65	CA EPA - Prop 65		Carcinogen - specific to chemical form or exposure route**		
CAN	US NIH - Report on Carcino	US NIH - Report on Carcinogens		Known to be Human Carcinogen (respirable size - occupational setting)**		
CAN	MAK		Carcinogen Group man**	1 - Substances that cause cancer in		
CAN	IARC		Group 1 - Agent is occupational source	carcinogenic to humans - inhaled from		
CAN	IARC	IARC		Group 1 - Agent is Carcinogenic to humans**		
CAN	US NIH - Report on Carcino	US NIH - Report on Carcinogens		nan Carcinogen**		
CAN	GHS - Japan		H350 - May cause 1A]**	cancer [Carcinogenicity - Category		
CAN	GHS - Australia		H350i - May cause Category 1A or 1B	e cancer by inhalation [Carcinogenicity -		
CAN	GHS - New Zealand		Carcinogenicity ca	tegory 1**		
MAM	GHS - Japan	GHS - Japan		mage to organs through prolonged or ESpecific target organs/systemic toxicity exposure - Category 1]**		
GEN	GHS - Japan	GHS - Japan		of causing genetic defects [Germ cell egory 2]**		
MAM	GHS - Australia			mage to organs through prolonged or ESpecific target organ toxicity - e - Category 1]**		
MAM	GHS - New Zealand		Specific target orga	an toxicity - repeated exposure category		

ADDITIONAL LISTINGS LIST NAME AND SOURCE NOTIFICATION

None found No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture.

\*\*Form-Specific Hazard: This substance's GreenScreen Benchmark or List Translator score and the applicable hazards are related to particulate inhalation, which is expected to occur only during manufacture, installation, maintenance, or demolition, due to activities such as sawing, sanding, grinding, or intensive cleaning. See HPDC's Special Conditions policy for more information. Manufacturer's Safety Data Sheet (SDS), if applicable, may offer occupational health and safety information.

This substance is part of a powder or aerosol; however, its potential for respiration is limited, as demonstrated by this report or certification

PORTLAND CEMENT

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2024-04-03 8:34:42

%: 25.0000 - 30.0000 GreenScreen: LT-P1 RC: None NANO: No SUBSTANCE ROLE: Binder

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture.

UNDISCLOSED				ID: Undisclosed
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library	1	HAZARD S	SCREENING DATE: 2024-04-03 8:36:17
%: 0.0000 - 10.0000	GreenScreen: LT-UNK	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
None found			No warr	nings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS # was used to identify associated hazards.

LIMESTONE				ID: <b>1317-65-</b> 3
HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZARD S	SCREENING DATE: 2024-04-03 8:33:22
%: 3.0000 - 6.0000	GreenScreen: BM-3dg	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Binder
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
MUL	Québec CSST - WHMIS 1988		Class D2A - Very t	toxic material causing other toxic effects
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	
None found			No	listings found on Additional Hazard Lists

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE:	Pharos Chemical and Materials Lib	rary	HAZAR	D SCREENING DATE: 2024-04-03 8:33:22
%: 1.0000 - 4.0000	GreenScreen: LT-UNK	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Polymer species
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
	EC - CEPA DSL		Persistent	
MUL	EC - CEPA DSL		Inherently Toxic	to Humans (iTH)
MUL	German FEA - Substances H Waters	Hazardous to	Class 1 - Low F	lazard to Waters
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	1
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS # was used to identify associated hazards.

CALCIUM CARBONATE ID: 471-34-1

HAZARD DATA SOURCE:	Pharos Chemical and Materials Library		HAZAF	RD SCREENING DATE: 2024-04-03 8:33:22
%: 0.0000 - 1.0000	GreenScreen: BM-3	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Impurity/Residual
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation ca	ategory 2
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N
None found				No listings found on Additional Hazard Lists

SUBSTANCE NOTES: This substance is an impurity or residual. This impurity/residual may or may not be present based on the source of the raw material and, if present, may or may not be greater than 100 ppm.

# LIMESTONE; CALCIUM CARBONATE

ID: **1317-65-3** 

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-04-03 8:33:23		
%: 0.0000 - 1.0000	GreenScreen: BM-3dg	RC: None	NANO: No	SUBSTANCE ROLE: Impurity/Residual	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
MUL	Québec CSST - WHMIS 1988		Class D2A - Ve	ery toxic material causing other toxic effects	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATION	N	
None found				No listings found on Additional Hazard Lists	

SUBSTANCE NOTES: This substance is an impurity or residual. This impurity/residual may or may not be present based on the source of the raw material and, if present, may or may not be greater than 100 ppm.

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE: Pharos Chemical and Materials Library			HAZARD SCREENING DATE: 2024-04-03 8:33:23		
%: 0.2000 - 0.5000	GreenScreen: BM-2	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Processing regulator	
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS		
MUL	German FEA - Substances H Waters	azardous to	Class 1 - Low	Hazard to Waters	
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	DN	
None found				No listings found on Additional Hazard Lists	

SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS # was used to identify associated hazards.

UNDISCLOSED ID: Undisclosed

HAZARD DATA SOURCE:	Pharos Chemical and Materials Libr	ary	HAZA	ARD SCREENING DATE: 2024-04-03 8:33:23
%: 0.1000 - 0.3000	GreenScreen: BM-3	RC: None	NANO: <b>No</b>	SUBSTANCE ROLE: Processing regulator
HAZARD TYPE	LIST NAME AND SOURCE		WARNINGS	
EYE	GHS - New Zealand		Eye irritation	category 2
ADDITIONAL LISTINGS	LIST NAME AND SOURCE		NOTIFICATIO	DN
POSITIVE LIST	US Environmental Protection EPA)	Agency (US	US EPA - DfE	E Safer Chemicals Ingredients list (SCIL)
	,		Enzymes and Concern)	Stabilizers - Green Circle (Verified Low

SUBSTANCE NOTES: The amount of this component may vary based on plant of manufacture. This product is shown as undisclosed to preserve integrity of formula and maintain competitive advantage. The component CAS # was used to identify associated hazards.

# 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**

#### **UL/GreenGuard Gold Certified**

CERTIFIER OR LAB: UL CERTIFYING PARTY: Third Party ISSUE DATE: 2009-07-07 00:00:00 EXPIRY DATE: 2023-07-09 00:00:00 **Environment** 

APPLICABLE FACILITIES: Applies to All Facilities.

**CERTIFICATE URL:** 

https://cdn.laticrete.com/~/media/product-

documents/greenguard-certificates/19-253-greenguard.ashx

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4.1 Credit "Low Emitting Materials" Emissions Requirements. This product was tested in accordance with California Department of Public Health (CDPH) v1.2 in an office and classroom environment.

ISSUE DATE: 2022-08-23 00:00:00

#### **VOC CONTENT**

#### EPA Method 24 - Volatile Matter Content (EPA 24)

CERTIFYING PARTY: Self-declared

APPLICABLE FACILITIES: Applies to All Facilities.

**CERTIFICATE URL:** 

https://cdn.laticrete.com/~/media/support-anddownloads/technical-datasheets/tds251.ashx

CERTIFICATION AND COMPLIANCE NOTES: Technical Data Sheet 251 "Low VOC LATICRETE Products". Meets LEED v4.1 Credit "Low Emitting Materials" VOC Content Requirements per SCAQMD Rule 1168 (Tile Adhesive).

**EXPIRY DATE:** 

#### **LCA**

#### Environmental Product Declaration (EPD) by UL - Industry Generic

CERTIFYING PARTY: Third Party ISSUE DATE: 2023-01-01 00:00:00 CERTIFIER OR LAB: UL

APPLICABLE FACILITIES: Applies to All Facilities. EXPIRY DATE: 2027-12-31 00:00:00

Environment

CERTIFIER OR LAB: LATICRETE

**CERTIFICATE URL:** 

https://cdn.laticrete.com/~/media/environmental-productdata-sheets/cement-mortar-for-tile-and-stone-installation---

industry-wide.ashx?

sc\_lang=en&vs=10&d=20230113T170224Z

CERTIFICATION AND COMPLIANCE NOTES: Meets LEED v4.1 Credit "Building Product Disclosure and Optimization-Environmental Product Declarations" requirements as an Industry Wide (Type III) EPD.

# 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.

#### WATER

MANUFACTURER (OR GENERIC): Generic

HPD URL: No HPD Available

ACCESSORY TYPE: Installation Accessory

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: LATICRETE 253 Gold (Grey) to be mixed with water only following mix ratio and directions as stated on product data sheet.

# Section 5: General Notes

LATICRETE® 253 Gold (Grey) meets the Living Building Challenge v4.0 (March 4.0) requirement that the product does not contain any of the Red Listed Materials or Chemicals. Specifically, LATICRETE 253 Gold (Grey) does not contain the following: Antimicrobials (marketed with a health claim) •Alkylphenols and related compounds •Asbestos •Bisphenol A (BPA) and structural analogues •California Banned Solvents •Chlorinated Polymers, including Chlorinated polyethylene (CPE), Chlorinated Polyvinyl Chloride (CPVC), Chloroprene (neoprene monomer), Chlorosulfonated polyethylene

(CSPE), Polyvinylidiene chloride (PVDC), and Polyvinyl Chloride (PVC) •Chlorobenzenes •Chlorofluorocarbons (CFCs) & Hydrochlorofluorocarbons (HCFCs) •Formaldehyde (added) • Monomeric, polymeric and organo-phosphate halogenated flame retardants (HFRs) •Organotin Compounds •Perfluorinated Compounds (PFCs) •Phthalates (orthophthalates) •Polychlorinated Biphenyls (PCBs) •Polycyclic Aromatic Hydrocarbons (PAH) •Short-Chain and Medium-Chain Chlorinated Paraffins •Toxic Heavy Metals - Arsenic, Cadmium, Chromium, Lead (added), and Mercury •Wood treatments containing Creosote, Arsenic or Pentachlorophenol. See Section 1 for Volatile Organic Compounds (VOC) (wet applied products) information.

Contains no respirable silica levels that exceed the OSHA action level.

#### **MANUFACTURER INFORMATION**

MANUFACTURER: LATICRETE International

ADDRESS: 1 Laticrete Park North

Bethany, CT 06524 COUNTRY: USA

LATITUDE: **41.3973000**LONGITUDE: **-73.0027000** 

WEBSITE: https://www.laticrete.com
CONTACT NAME: Mitch Hawkins

TITLE: Director, Customer Experience - Sustainability & Analytics

PHONE: **203-393-4619** 

EMAIL: wmhawkins@laticrete.com

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

**CAN** Cancer

**DEV** Developmental toxicity **END** Endocrine activity

**EYE** Eye irritation/corrosivity

**GEN** Gene mutation

**GLO** Global warming

**LAN** Land toxicity

MAM Mammalian/systemic/organ toxicity

MUL Multiple
NEU Neurotoxicity

NF Not found on Priority Hazard Lists

**OZO** Ozone depletion

PBT Persistent, bioaccumulative, and toxic

PHY Physical hazard (flammable or reactive)

**REP** Reproductive

**RES** Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

**UNK** Unknown

### GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)

BM-3 Benchmark 3 (use but still opportunity for improvement)

**BM-2** Benchmark 2 (use but search for safer substitutes)

BM-1 Benchmark 1 (avoid - chemical of high concern)

BM-U Benchmark Unspecified (due to insufficient data)

LT-P1 List Translator Possible 1 (Possible Benchmark-1)

**LT-1** List Translator 1 (Likely Benchmark-1) **LT-UNK** List Translator Benchmark Unknown

NoGS No GreenScreen.

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

Basic Method / Product Threshold Substances listed individually per threshold indicated per product

## **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

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.

