

HPD UNIQUE IDENTIFIER: 30215

CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT DESCRIPTION: Dry-pressed and glazed white body ceramic tiles, produced with a double-firing process. Colourfast, scratch resistant, and suitable for indoor applications. Sizes ranging from 6"x 6" to 12"x 24", in carefully composed colors, textures and matt or glossy finishes. Manufactured by Royal Mosa, Maastricht, The Netherlands, since 1883.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities Evaluation	<i>For all contents above the threshold, the manufacturer has:</i>
<input checked="" type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> Completed	Characterized <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Completed	<i>Provided weight and role.</i>
Threshold Disclosed Per	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Completed	Screened <input checked="" type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Other	Explanation(s) provided :	<i>Provided screening results using HPDC-approved methods.</i>
<input checked="" type="radio"/> Product		<input checked="" type="radio"/> Yes <input type="radio"/> No	Identified <input checked="" type="radio"/> Yes <input type="radio"/> 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.

PRODUCT | MATERIAL OR SUBSTANCE | RESIDUAL OR IMPURITY GREENSCREEN SCORE | HAZARD TYPE
MOSA C2C CERAMIC WALL TILES [QUARTZ BM-1] CAN | MAM | GEN FELDSPAR LT-UNK | MAM CALCIUM CARBONATE BM-3 | EYE KAOLIN CLAY LT-UNK | CAN FRITS, CHEMICALS (UNLEADED) LT-P1 | MUL SILICA, CHRISTOBALITE LT-1 | CAN | MAM | GEN C.I. PIGMENT YELLOW 159 LT-UNK C.I. PIGMENT BLACK 30 LT-1 | CAN C.I. PIGMENT BLUE 71 (PRIMARY CASRN IS 68186-95-8) LT-UNK C.I. PIGMENT RED 232 LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 1
 Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1, LT-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration applies to all Cradle to Cradle certified Mosa wall tile collections: Mosa 15thirty Greys, Mosa 15thirty Accent, Mosa Classics Foxtrot, Mosa Classics Trocadero, Mosa Colors, Mosa Global Collection, Mosa Globalgrip, Mosa Matt Collection, Mosa Murals Blend/Change/Lines/Fuse. Mosa Classic Tide.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

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

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
 Multi-attribute: ILFI Declare - Red List Free
 Management: ISO 14001:2004 Environmental management systems
 Management: ISO 9001:2015 Quality management systems

CONSISTENCY WITH OTHER PROGRAMS

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

Third Party Verified? <input type="radio"/> Yes <input checked="" type="radio"/> No	PREPARER: Self-Prepared VERIFIER: VERIFICATION #:	SCREENING DATE: 2022-10-18 PUBLISHED DATE: 2022-10-18 EXPIRY DATE: 2025-10-18
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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

MOSA C2C CERAMIC WALL TILES

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: All ingredients have been assessed and verified within the Cradle to Cradle concept. Mosa wall tiles are awarded with a Gold score for Material Health.

OTHER PRODUCT NOTES: Mosa wall tiles contain 33% pre-consumer recycled content.

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-18 6:59:01**

#: **62.0000 - 62.0000** GreenScreen: **BM-1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists
SUBSTANCE NOTES: sand consists of quartz, influencing the plasticity of the tile		

FELDSPAR

ID: 68476-25-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-10-18 6:59:01		
%: 10.0000 - 10.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		
SUBSTANCE NOTES: feldspar is a type of mineral that acts as a flux in the tile				

CALCIUM CARBONATE

ID: 471-34-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-10-18 6:59:02		
%: 10.0000 - 10.0000	GreenScreen: BM-3	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
EYE	GHS - New Zealand	Eye irritation category 2		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern		
SUBSTANCE NOTES: Chalk is a material that influences the reactivity during firing.				

KAOLIN CLAY

ID: 1332-58-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-10-18 6:59:03		
%: 7.0000 - 7.0000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	MAK	Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification		

ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern

SUBSTANCE NOTES: Kaolin is a very white mineral clay that helps to determine dimensional stability and breaking strength

FRITS, CHEMICALS (UNLEADED)

ID: 65997-18-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-10-18 6:59:03		
%: 7.0000 - 7.0000	GreenScreen: LT-P1	RC: None	NANO: No	SUBSTANCE ROLE: Structure component
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: This material acts as the melted composition part of the tile glaze.

SILICA, CHRISTOBALITE

ID: 14464-46-1

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-10-18 6:59:04		
%: 4.0000 - 4.0000	GreenScreen: LT-1	RC: PreC	NANO: No	SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Material that influences tile plasticity

C.I. PIGMENT YELLOW 159

ID: 68187-15-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library		HAZARD SCREENING DATE: 2022-10-18 6:59:04		
%: 0.0700 - 0.0700	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Material that determines the color of the tile, giving the tile its final "look & feel".

C.I. PIGMENT BLACK 30

ID: 71631-15-7

%: 0.0700 - 0.0700	GreenScreen: LT-1	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	IARC	Group 1 - Agent is Carcinogenic to humans		
CAN	CA EPA - Prop 65	Carcinogen		
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Biological and Environmentally Released Materials		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Children's Products		
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CP II)	C2C Certified v4 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022		
		Footwear, Apparel & Jewelry Products		

SUBSTANCE NOTES: Material that determines the color of the tile, giving the tile its final "look & feel".

C.I. PIGMENT BLUE 71 (PRIMARY CASRN IS 68186-95-8)

ID: **75367-22-5**

%: 0.0700 - 0.0700	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Material that determines the color of the tile, giving the tile its final "look & feel".

C.I. PIGMENT RED 232

ID: **68412-79-3**

%: 0.0700 - 0.0700	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Pigment
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
None found		No warnings found on HPD Priority Hazard Lists		
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION		
None found		No listings found on Additional Hazard Lists		

SUBSTANCE NOTES: Material that determines the color of the tile, giving the tile its final "look & feel".

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	CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2017-07-17	CERTIFIER OR LAB: TCNA
APPLICABLE FACILITIES: Royal Mosa, Maastricht, The Netherlands	EXPIRY DATE:	
CERTIFICATE URL:		
CERTIFICATION AND COMPLIANCE NOTES: Ceramic wall and floor tiles qualify for LEED V4 credit IEQ 4.3 without any requirements because they are considered 'inherently nonemitting sources'. Text from LEED credit: "Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solidwood flooring) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants". More information on the contribution of our tiles to a LEED building label can be found on the Mosa website: www.mosa.com > Mosa > Sustainability		
MULTI-ATTRIBUTE	ILFI Declare - Red List Free	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2019-09-18	CERTIFIER OR LAB: none
APPLICABLE FACILITIES: Royal Mosa, Maastricht, The Netherlands	EXPIRY DATE: 2022-11-01	
CERTIFICATE URL: https://living-future.org/declare-products/mosa-c2c-ceramic-wall-tiles/		
CERTIFICATION AND COMPLIANCE NOTES:		
MANAGEMENT	ISO 14001:2004 Environmental management systems	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2021-07-27	CERTIFIER OR LAB: SKG-IKOB
APPLICABLE FACILITIES: Royal Mosa, Maastricht, The Netherlands	EXPIRY DATE: 2023-01-13	
CERTIFICATE URL: https://www.mosa.com/application/files/8616/2799/9270/Mosa-ISO-14001-certificate.pdf		
CERTIFICATION AND COMPLIANCE NOTES:		
MANAGEMENT	ISO 9001:2015 Quality management systems	
CERTIFYING PARTY: Third Party	ISSUE DATE: 2021-07-27	CERTIFIER OR LAB: SKG-IKOB
APPLICABLE FACILITIES: Royal Mosa, Maastricht, The Netherlands	EXPIRY DATE: 2023-01-13	
CERTIFICATE URL: https://www.mosa.com/application/files/7116/2800/0143/Mosa-ISO-9001-certificate.pdf		
CERTIFICATION AND COMPLIANCE NOTES:		
MANAGEMENT	Cradle to Cradle Certified - Gold (V3.1)	

CERTIFYING PARTY: Third Party

ISSUE DATE: 2021-12-17

CERTIFIER OR LAB: EPEA

APPLICABLE FACILITIES: All wall tiles manufactured in the Mosa

EXPIRY DATE: 2023-10-01

GmbH - Part of Drees & Sommer

Wall tile factory in Maastricht, including all matte glazed wall tiles, and most glossy glazed wall tiles: Mosa 15thirty Greys / Mosa 15thirty Accent, Mosa Casa, Mosa Classics Cera wall, Mosa Classics Foxtrot, Mosa Classics Trocadero, Mosa Classics Tide, Mosa Colors, Mosa Galactica, Mosa Global Collection / Globalgrip, Mosa Holland Plus / Mosa Holland 2040, Mosa Holland 2050 tiles, Mosa Ledo, Mosa Matt Collection, Mosa Mix & Mosaics, Mosa Murals Blend, Mosa Murals Change, Mosa Murals Lines, Mosa Murals Fuse, Mosa Residential, Mosa Scenes, Mosa Vesta, Mosa Villa. Does not include Mosa Classics Kho Liang le Collection, Mosa Colors 10x10 and the following glossy wall tiles

models:16950,16970,16980,17940,17970,17980, 20970, 20980

The following are excluded from scope (e.g., by facility, region, product options, finishes, fragrance variations, etc.): Mosa Classics Kho Liang le Collection, Mosa Colors 10x10 and the following glossy wall tiles

models:16950,16970,16980,17940,17970,17980, 20970, 20980.

CERTIFICATE URL:

<https://www.mosa.com/application/files/6216/4242/6293/Cradle-to-Cradle-Certified-Gold-Mosa-wall-tiles.pdf>

CERTIFICATION AND COMPLIANCE NOTES:

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.

No accessories are required for this product.

Section 5: General Notes

Mosa Cradle to Cradle ceramic wall tiles contain 33% pre-consumer recycled content.

MANUFACTURER INFORMATION

MANUFACTURER: mosa
ADDRESS: Royal Mosa
 Meerssenerweg 358
 Maastricht Limburg 6224 AL, The Netherlands
WEBSITE: www.mosa.com

CONTACT NAME: Stephanie Nunez
TITLE: Marketing Manager
PHONE: +31 43 368 9444
EMAIL: stephanie.nunez.salazar@mosa.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	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

