

HPD UNIQUE IDENTIFIER: 30216

CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT DESCRIPTION: Unglazed, dry-pressed, single-fired, fully vitrified porcelain tiles, produced with the Ultragres process. This makes them extremely strong, colourfast, scratch resistant, and water, weather and frost proof. Suitable for indoor and outdoor applications. Sizes ranging from 6"x 6" to 24"x 48", with various surface designs and structures. Manufactured by Royal Mosa, Maastricht, The Netherlands, since 1883.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<p><b>Inventory Reporting Format</b></p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p><b>Threshold Disclosed Per</b></p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p><b>Threshold Level</b></p> <p><input checked="" type="radio"/> 100 ppm</p> <p><input type="radio"/> 1,000 ppm</p> <p><input type="radio"/> Per GHS SDS</p> <p><input type="radio"/> Other</p>	<p><b>Residuals/Impurities Evaluation</b></p> <p><input checked="" type="radio"/> Completed</p> <p><input type="radio"/> Partially Completed</p> <p><input type="radio"/> Not Completed</p> <p><b>Explanation(s) provided :</b></p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>For all contents above the threshold, the manufacturer has:</i></p> <p><b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided weight and role.</i></p> <p><b>Screened</b> <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided screening results using HPDC-approved methods.</i></p> <p><b>Identified</b> <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>Provided name and CAS RN or other identifier.</i></p>
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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 PORCELAIN FLOOR TILES | NATURALLY OCCURRING SUBSTANCES** NoGS **FELDSPAR** LT-UNK | MAM **NEPHELINE SYENITE** LT-UNK **QUARTZ** BM-1 | CAN | MAM | GEN **KAOLIN, CALCINED** LT-UNK **ZIRCON (ZR(SIO4))** BM-2 **CHROMIUM IRON OXIDE** LT-P1 | SKI **C.I. PIGMENT RED 231** LT-UNK **REACTION MASS OF FUMES, SILICA AND DIIRON TRIOXIDE** NoGS **C.I. PIGMENT BLUE 28** LT-1 | CAN | RES | GEN ]

Number of Greenscreen BM-4/BM3 contents ... 0  
 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 the entire Mosa unglazed floor tile collection: Mosa Global Collection/Mosa Globalgrip, Mosa Shapes, Mosa Mu, Mosa Quartz, Mosa Scenes, Mosa Solids, Mosa Terra, Mosa Stage, Mosa Terra Tones.

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.

<p>Third Party Verified?</p> <p><input type="radio"/> Yes</p> <p><input checked="" type="radio"/> No</p>	<p>PREPARER: Self-Prepared</p> <p>VERIFIER:</p> <p>VERIFICATION #:</p>	<p>SCREENING DATE: 2022-10-18</p> <p>PUBLISHED DATE: 2022-10-18</p> <p>EXPIRY DATE: 2025-10-18</p>
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## 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](http://www.hpd-collaborative.org/hpd-2-3-standard)

### MOSA C2C PORCELAIN FLOOR 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 floor tiles are awarded with a Gold score for Material Health.

OTHER PRODUCT NOTES: Mosa floor tiles contain 21% pre-consumer recycled content, with the exception of the Softgrip/Globalgrip collections, which contain 45% pre-consumer recycled content.

#### NATURALLY OCCURRING SUBSTANCES

ID: 999999-99-4

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-10-18 7:35:25

#: 70.0000 - 70.0000 GreenScreen: NoGS RC: None NANO: No SUBSTANCE ROLE: Structure component

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: naturally occurring clays, including pre-consumer recycled content

#### FELDSPAR

ID: 68476-25-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-10-18 7:35:25

#: 22.0000 - 22.0000 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

#### NEPHELINE SYENITE

ID: 37244-96-5

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-10-18 7:35:26

%: 5.0000 - 5.0000 GreenScreen: LT-UNK RC: None NANO: No SUBSTANCE ROLE: Structure component

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists
ADDITIONAL LISTINGS	AGENCY	NOTIFICATION
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE SCIL Green Circle - Verified Low Concern
SUBSTANCE NOTES: nepheline is a feldspar-related mineral		

## QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library HAZARD SCREENING DATE: 2022-10-18 7:35:27

%: 1.0000 - 1.0000 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

### KAOLIN, CALCINED

ID: 92704-41-1

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-18 7:35:27**

%: **1.0000 - 1.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

None found No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS AGENCY NOTIFICATION

POSITIVE LIST US Environmental Protection Agency (US EPA) US EPA - DfE SCIL  
Green Half-Circle - Expected Low Concern

SUBSTANCE NOTES: kaolin is a very white mineral clay

### ZIRCON (ZR(SIO4))

ID: 14940-68-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-18 7:35:28**

%: **0.6000 - 0.6000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Opacifier**

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:

### CHROMIUM IRON OXIDE

ID: 12737-27-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2022-10-18 7:35:28**

%: **0.2000 - 0.2000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE AGENCY AND LIST TITLES WARNINGS

SKI MAK Sensitizing Substance Sh - Danger of skin sensitization

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

SUBSTANCE NOTES:

**C.I. PIGMENT RED 231**

ID: 68186-99-2

HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-10-18 7:35:29</b>		
%: <b>0.1000 - 0.1000</b>	GreenScreen: <b>LT-UNK</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
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:				

**REACTION MASS OF FUMES, SILICA AND DIIRON TRIOXIDE**

ID: 1353091-50-5

HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-10-18 7:35:30</b>		
%: <b>0.0800 - 0.0800</b>	GreenScreen: <b>NoGS</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
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:				

**C.I. PIGMENT BLUE 28**

ID: 1345-16-0

HAZARD DATA SOURCE: <b>Pharos Chemical and Materials Library</b>		HAZARD SCREENING DATE: <b>2022-10-18 7:35:30</b>		
%: <b>0.0200 - 0.0200</b>	GreenScreen: <b>LT-1</b>	RC: <b>None</b>	NANO: <b>No</b>	SUBSTANCE ROLE: <b>Pigment</b>
HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS		
CAN	MAK	Carcinogen Group 2 - Considered to be carcinogenic for man		
RES	MAK	Sensitizing Substance Sah - Danger of airway & skin sensitization		
GEN	MAK	Germ Cell Mutagen 3a		

ADDITIONAL LISTINGS

AGENCY

NOTIFICATION

RESTRICTED LIST

Cradle to Cradle Products Innovation  
Institute (C2CPPI)

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 (C2CPPI)

C2C Certified v4 Product Standard Restricted  
Substances List (RSL) - Effective July 1, 2022

Children's Products

SUBSTANCE NOTES:

*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.*

<b>VOC EMISSIONS</b>	<b>CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom &amp; Office scenario</b>	
CERTIFYING PARTY: Self-declared	ISSUE DATE: 2017-07-17	CERTIFIER OR LAB: TCNA
APPLICABLE FACILITIES: Royal Mosa, Maastricht, The Netherlands	EXPIRY DATE:	
CERTIFICATE URL:		
<p>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: <a href="http://www.mosa.com">www.mosa.com</a> &gt; Mosa &gt; Sustainability</p>		
<b>MULTI-ATTRIBUTE</b>	<b>ILFI Declare - Red List Free</b>	
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: <a href="https://living-future.org/declare-products/mosa-c2c-porcelain-floor-tiles/">https://living-future.org/declare-products/mosa-c2c-porcelain-floor-tiles/</a>		
CERTIFICATION AND COMPLIANCE NOTES:		
<b>MANAGEMENT</b>	<b>ISO 14001:2004 Environmental management systems</b>	
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: <a href="https://www.mosa.com/application/files/8616/2799/9270/Mosa-ISO-14001-certificate.pdf">https://www.mosa.com/application/files/8616/2799/9270/Mosa-ISO-14001-certificate.pdf</a>		
CERTIFICATION AND COMPLIANCE NOTES:		
<b>MANAGEMENT</b>	<b>ISO 9001:2015 Quality management systems</b>	
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: <a href="https://www.mosa.com/application/files/7116/2800/0143/Mosa-ISO-9001-certificate.pdf">https://www.mosa.com/application/files/7116/2800/0143/Mosa-ISO-9001-certificate.pdf</a>		
CERTIFICATION AND COMPLIANCE NOTES:		
<b>MULTI-ATTRIBUTE</b>	<b>Cradle to Cradle Certified - Gold (V3.1)</b>	

CERTIFYING PARTY: Third Party

ISSUE DATE: 2021-12-17  
EXPIRY DATE: 2023-10-01

CERTIFIER OR LAB: EPEA  
GmbH - Part of Drees & Sommer

APPLICABLE FACILITIES: All unglazed Floortiles manufactured in the Mosa Floortile factory in Maastricht, this means the entire Mosa unglazed floortile collection. Mosa Global Collection / Globalgrip, Mosa Custom design tiles C2C, Mosa Stage, Mosa Holland 2050, Mosa Mu, Mosa Core Collection Quartz, Mosa Residential, Mosa Scenes, Mosa Softgrip/Softline, Mosa Core Collection Solids, Mosa Core Collection TerraBeige & Brown, Mosa Core Collection Terra Greys, Mosa Core Collection Terra Maastricht, Mosa Core Collection Terra Tones, Mosa Core Collection Terra.

CERTIFICATE URL:

<https://www.mosa.com/application/files/7716/4242/6293/Cradle-to-Cradle-Certified-Gold-Mosa-floor-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 floor tiles contain 21% pre-consumer recycled content, except for Mosa Softgrip and Global Grip collections: 45% pre-consumer recycled content.



**MANUFACTURER INFORMATION**

**MANUFACTURER:** mosa  
**ADDRESS:** Royal Mosa  
 Meerssenerweg 358  
 Maastricht Limburg 6224 AL, The Netherlands  
**WEBSITE:** [www.mosa.com](http://www.mosa.com)

**CONTACT NAME:** Stephanie Nunez  
**TITLE:** Marketing Manager  
**PHONE:** +31646818650  
**EMAIL:** [Stephanie.nunez@mosa.com](mailto:Stephanie.nunez@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**

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

**GreenScreen (GS)**

<b>BM-4</b> Benchmark 4 (prefer-safer chemical)	<b>LT-P1</b> List Translator Possible 1 (Possible Benchmark-1)
<b>BM-3</b> Benchmark 3 (use but still opportunity for improvement)	<b>LT-1</b> List Translator 1 (Likely Benchmark-1)
<b>BM-2</b> Benchmark 2 (use but search for safer substitutes)	<b>LT-UNK</b> List Translator Benchmark Unknown
<b>BM-1</b> Benchmark 1 (avoid - chemical of high concern)	<b>NoGS</b> No GreenScreen.
<b>BM-U</b> 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](http://www.greenscreenchemicals.org), and Best Practices for Hazard Screening on the HPDC website ([hpd-collaborative.org](http://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*

