

HPD UNIQUE IDENTIFIER: 23413

CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT DESCRIPTION: The Ceramic tiles KERAMA MARAZZI , DAL TILE and AMERICAN OLEAN brands are produced according to European standard EN 14411:2016 , dry-press ceramic tiles, "BIII group" (water absorption rate E>10%). A pioneer in the Russian tile industry, KERAMA MARAZZI is today the most recognized and valued tiles brand in Russia and Central Asian countries. Two manufacturing facilities in Moscow region and Oryol provide a summary production more of 40M sqm , including wall tiles, Gres porcelain tile , mosaic and decorative elements. The factories in dispose of 11 porcelain Gres lines (including 2 lines of latest production technology Continua+), 1 red body line, 7 wall tile lines, 1 mosaic line, and 6 lines that produce decorative elements. KERAMA MARAZZI offers a huge variety of formats and graphic patterns for both wall tiles and floor tiles also the assortment includes small-tiles and mosaic decorative elements. .

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

<p>Inventory Reporting Format</p> <p><input type="radio"/> Nested Materials Method</p> <p><input checked="" type="radio"/> Basic Method</p> <p>Threshold Disclosed Per</p> <p><input type="radio"/> Material</p> <p><input checked="" type="radio"/> Product</p>	<p>Threshold level</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>Residuals/Impurities</p> <p><input checked="" type="radio"/> Considered</p> <p><input type="radio"/> Partially Considered</p> <p><input type="radio"/> Not Considered</p> <p>Explanation(s) provided for Residuals/Impurities?</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p>	<p><i>All Substances Above the Threshold Indicated Are:</i></p> <p>Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>% weight and role provided for all substances.</i></p> <p>Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances screened using Priority Hazard Lists with results disclosed.</i></p> <p>Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p><i>All substances disclosed by Name (Specific or Generic) and 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY
GREENSCREEN SCORE | HAZARD TYPE
KERAMA MARAZZI, DAL TILE AND AMERICAN OLEAN BRAND CERAMIC TILE PRODUCTS MANUFACTURED [CLAY NoGS
CALCIUM CARBONATE BM-3 QUARTZ LT-1 | CAN FELDSPAR LT-UNK | RES]

Number of Greenscreen BM-4/BM3 contents ... 1
 Contents highest concern GreenScreen Benchmark or List translator Score ... LT-1
 Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

"Ceramic" is regarded as a special condition by HPD Collaborative and not screened. Ceramic tile is considered one component resulting from the reactions inside the high temperature kiln-firing process. No warnings or hazards are associated with the final, finished product.

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: Inherently non-emitting source per LEED
 Recycled content: RECYCLED CONTENT
 LCA: Environmental Product Declaration (EPD) by UL - Industry Generic

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients 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: 2020-11-19</p> <p>PUBLISHED DATE: 2021-01-14</p> <p>EXPIRY DATE: 2023-11-19</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 2.2, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-2-standard

KERAMA MARAZZI, DAL TILE AND AMERICAN OLEAN BRAND CERAMIC TILE PRODUCTS MANUFACTURED

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES
CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: The physical and chemical reactions in the kiln-firing process transform 100% of the initial ingredients into the final fired tile product and no residuals remain.

OTHER PRODUCT NOTES: "During the manufacturing process a combination of intensely high pressure and very high firing techniques create a chemical and physical change in these materials converting these hazards into a benign, fully vitrified porcelain tile product"

CLAY

ID: 1302-87-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2020-11-19

#: 55.0000 - 68.0000 GS: NoGS RC: None NANO: No SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: "There is no hazard associated with the end use of the final product that is purchased ,installed and used by the Customer"

The physical and chemical reactions in the kiln-firing process transform 100% of the initial ingredients into the final fired tile product and no residuals remain.

CALCIUM CARBONATE

ID: 471-34-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2020-11-19

#: 12.0000 - 16.0000 GS: BM-3 RC: None NANO: No SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: "There is no hazard associated with the end use of the final product that is purchased ,installed and used by the Customer"

The physical and chemical reactions in the kiln-firing process transform 100% of the initial ingredients into the final fired tile product and no residuals remain

QUARTZ

ID: 14808-60-7

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: 2020-11-19

#: 6.0000 - 8.0000

GS: LT-1

RC: None

NANO: No

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
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	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CAN	GHS - Japan	Carcinogenicity - Category 1A [H350]
CAN	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: "There is no hazard associated with the end use of the final product that is purchased ,installed and used by the Customer"

The physical and chemical reactions in the kiln-firing process transform 100% of the initial ingredients into the final fired tile product and no residuals remain.

FELDSPAR

ID: 68476-25-5

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2020-11-19**

#: 4.0000 - 8.0000

GS: LT-UNK

RC: None

NANO: No

SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RES	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: "There is no hazard associated with the end use of the final product that is purchased ,installed and used by the Customer"

The physical and chemical reactions in the kiln-firing process transform 100% of the initial ingredients into the final fired tile product and no residuals remain.

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	Inherently non-emitting source per LEED		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: OREL and MALINO PLANT RUSSIAN FEDERATION CERTIFICATE URL:	ISSUE DATE: 2020-01- 13	EXPIRY DATE:	CERTIFIER OR LAB: CENTRO CERAMICO BOLOGNA ITALY
CERTIFICATION AND COMPLIANCE NOTES: Inherently non-emitting source per LEED			
RECYCLED CONTENT	RECYCLED CONTENT		
CERTIFYING PARTY: Self-declared APPLICABLE FACILITIES: OREL PLANT and MALINO PLANT (DT55ED 02 100915) CERTIFICATE URL:	ISSUE DATE: 2020-02- 12	EXPIRY DATE:	CERTIFIER OR LAB: MANAGER- ENVIRONMENTAL ,HEALTH & SUSTAINABILITY
CERTIFICATION AND COMPLIANCE NOTES:			
LCA	Environmental Product Declaration (EPD) by UL - Industry Generic		
CERTIFYING PARTY: Third Party APPLICABLE FACILITIES: OREL and MALINO Plants CERTIFICATE URL: https://www.environdec.com/Detail/?Epd=15094	ISSUE DATE: 2020-10- 20	EXPIRY DATE: 2025- 10-19	CERTIFIER OR LAB: Certiquality S.r.l., Milan Italy www.certiquality.it
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.

MORTAR AND GROUT	HPD URL: no HPD available
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Accessory materials are required for tiles installations. VOC content of the mortar and/or grout varies depending on type and brand chosen.	

Section 5: General Notes

KERAMA MARAZZI is a leading Russian manufacturer of ceramic decorative and finishing materials. Since 1988, Italian heritage, a culture of product innovation, and state of the art manufacturing facilities have allowed KERAMA MARAZZI to become the leader in the Russian tile market with 18% share. A well-developed mono-brand retail network includes more than 370 brand stores in Russia and abroad. The high quality of KERAMA MARAZZI products, their compliance with Russian and international standards, norms, and technical requirements are confirmed with appropriate certificates, technical approvals, and expert reports. Since 2013, the Italian Institute CERTIQUALITY (Milan) has been yearly issuing the CERTIQUALITY-UNI EN 14411 certificate and the KEYMARK 023 conformity mark for KERAMA MARAZZI products. As part of the certification, the control over compliance with production technologies (including elements of ISO 9001 quality management system) was evaluated at the enterprises in Orel and in Malino (Moscow region). The CERTIQUALITY-UNI EN 14411:2016 certificate and the KEYMARK 023 conformity mark confirm the high quality of KERAMA MARAZZI products, their full compliance with the unified European standards and technical characteristics, as well as their safety for humans and the environment. LEED, Leadership in Energy and Environmental Design: several series of KERAMA MARAZZI Porcelain Gres contain at least 10% of recycled material, complying with DT 55 ED 02 100915, certified by Certiquality with certificate N P2181. Products of KERAMA MARAZZI contain Pre-Consumer Recycled material up to 28.9%. KERAMA MARAZZI is a member of Green Building Council Russia that supports the development of construction process aspects from ecologic design to energy-saving technologies implementation. KERAMA MARAZZI is certified with GOST R Certificate that confirm the quality of the products manufactured and compliance with standards applied for and the requirements of Russian Federation. Product of KERAMA MARAZZI are VOC free according the UNI EN ISO 1600-9:2006.

KERAMA MARAZZI, DAL TILE and AMERICAN OLEAN Brand Ceramic Tile Products Manufactured
hpdrepository.hpdc-collaborative.org

MANUFACTURER INFORMATION

MANUFACTURER: **KERAMA MARAZZI**
 ADDRESS: **5, ITALIANSKAYA STREET**
OREL OREL 302024, RUSSIAN FEDERATION
 WEBSITE: **www.kerama-marazzi.ru**

CONTACT NAME: **Murenkov Peter**
 TITLE: **Certification manager**
 PHONE: **+74862499810**
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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-1 List Translator 1 (Likely Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-UNK List Translator Benchmark Unknown (the chemical is present on at least one GreenScreen Specified List, but the information contained within the list did not result in a clear mapping to a LT-1 or LTP1 score.)
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)	NoGS No GreenScreen.

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 for compliance with the HPD standard noted.