

CLASSIFICATION: 09 30 13 - Porcelain Tile in conformity with ANSI 137.1 and ISO 13006 Annex G Group Bla

PRODUCT DESCRIPTION: Porcelain stoneware tiles, with water absorption less than 0,5% in accordance with ANSI 137.1, ISO 13006 and EN 14411, composed of a very fine mixture of quality raw materials, manufactured by dry pressing of atomized powders and subsequently sintered by industrial firing at temperatures above 1200°C. The complete vitrification of the tiles allows for a compact, non-absorbent, frost-proof product, resistant to bending, impacts, staining, chemical attack and thermal shock

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances.

Threshold Disclosed Per

- Material
- Product

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

Explanation(s) provided for Residuals/Impurities?

- Yes No

Identified Yes Ex/SC Yes No

All substances disclosed by Name (Specific or Generic) and 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.

MATERIAL | SUBSTANCE | RESIDUAL OR IMPURITY

GREENSCREEN SCORE | HAZARD TYPE

PANARIAGROUP PORCELAIN TILES [CLAY NoGS FELDSPAR LT-UNK | RES FRITS, CHEMICALS (UNLEADED) LT-P1 | MUL SPINELS, CHROMIUM IRON MANGANESE BROWN LT-UNK POLYPROPYLENE GLYCOL LT-UNK]

Number of Greenscreen BM-4/BM3 contents ... 0

Contents highest concern GreenScreen

Benchmark or List translator Score ... LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

"Ceramic" is regarded as a special condition by the HPD collaborative and not screened. Ceramic tile is considered as a single component resulting from the vitrification process in the high temperature kiln process. Since individual chemical components are not made available from the finished product, residuals and impurities have no separate impact in the preparation of this HPD. 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: FloorScore

LCA: Environmental Product Declaration (EPD)

Management: ISO 9001:2015 Quality management systems

Management: ISO 14001:2004 Environmental management systems

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Material Ingredients, Option 1

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-05-02

PUBLISHED DATE: 2019-05-16

EXPIRY DATE: 2022-05-02



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 2.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-standard

PANARIAGROUP PORCELAIN TILES

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Panariagroup porcelain tiles don't contain any hazardous residuals and/or impurities. Since individual chemical components are not made available from the finished product, residuals and impurities have no separate impact in the preparation of this HPD. No warnings or hazards are associated with the final, finished product.

OTHER PRODUCT NOTES: During the manufacturing cycle a combination of high pressure in the pressing process and very high temperatures in the firing process create chemical and physical reactions in these materials, obtaining a fully vitrified porcelain tile product.

CLAY

ID: 1302-87-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-05-02

%: 30.00 - 40.00	GS: NoGS	RC: PreC	NANO: No	ROLE: Raw material
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer. Panariagroup Porcelain Tiles are classified as "INERT" and are "FULLY VETRIFIED", so they are NOT DANGEROUS FOR HUMAN HEALTH.

FELDSPAR

ID: 68476-25-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2019-05-02

%: 30.00 - 40.00	GS: LT-UNK	RC: PreC	NANO: No	ROLE: Raw material
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HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
RESPIRATORY	AOEC - Asthmagens	Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer. Panariagroup Porcelain Tiles are classified as "INERT" and are "FULLY VETRIFIED", so they are NOT DANGEROUS FOR HUMAN HEALTH.

FRITS, CHEMICALS (UNLEADED)

ID: 65997-18-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-05-02**%: **5.00 - 15.00**GS: **LT-P1**RC: **None**NANO: **No**ROLE: **Raw material**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

MULTIPLE

German FEA - Substances Hazardous to Waters

Class 2 - Hazard to Waters

SUBSTANCE NOTES: Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer. Panariagroup Porcelain Tiles are classified as "INERT" and are "FULLY VETRIFIED", so they are NOT DANGEROUS FOR HUMAN HEALTH.

SPINELS, CHROMIUM IRON MANGANESE BROWN

ID: 68555-06-6

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-05-02**%: **1.00 - 5.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Raw material**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer. Panariagroup Porcelain Tiles are classified as "INERT" and are "FULLY VETRIFIED", so they are NOT DANGEROUS FOR HUMAN HEALTH.

POLYPROPYLENE GLYCOL

ID: 25322-69-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2019-05-02**%: **0.50 - 1.00**GS: **LT-UNK**RC: **None**NANO: **No**ROLE: **Additive**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found

No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Range due to variations in product family. Hazard associated with occupational/manufacturing use only. It is not associated with the end use of the final fired product that is purchased, installed, and used by the customer. Panariagroup Porcelain Tiles are classified as "INERT" and are "FULLY VETRIFIED", so they are NOT DANGEROUS FOR HUMAN HEALTH.

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

FloorScore

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2018-06-01**
EXPIRY DATE: **2019-06-30**
CERTIFIER OR LAB: **SCS Global Services**

APPLICABLE FACILITIES: **Panariagroup Industrie Ceramiche SpA - Via Panaria Bassa 22/a, Finale Emilia (MO) Italy - Via dell'Industria 13, Fora di Cavola (RE) Italy - Via Cameazzo 21, Fiorano Modenese (MO) Italy**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **Panariagroup Porcelain Tiles are manufactured by firing at temperature above 1200°C, so they don't contain and relise, in conditions of use, any kind of Volatile Organic Compounds (LEED V4 Credit - Indoor environmental quality - Low emitting materials)**

LCA

Environmental Product Declaration (EPD)

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2018-11-25**
EXPIRY DATE: **2023-11-24**
CERTIFIER OR LAB: **EPD Italy**

APPLICABLE FACILITIES: **Panariagroup Industrie Ceramiche SpA - Via Panaria Bassa 22/a, Finale Emilia (MO) Italy - Via dell'Industria 13, Fora di Cavola (RE) Italy - Via Cameazzo 21, Fiorano Modenese (MO) Italy**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **According to ISO 14025 - EN 15084**

MANAGEMENT

ISO 9001:2015 Quality management systems

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2003-09-23**
EXPIRY DATE: **2021-06-28**
CERTIFIER OR LAB: **Certiquality**

APPLICABLE FACILITIES: **Panariagroup Industrie Ceramiche SpA - Via Panaria Bassa 22/a, Finale Emilia (MO) Italy - Via dell'Industria 13, Fora di Cavola (RE) Italy - Via Cameazzo 21, Fiorano Modenese (MO) Italy**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

MANAGEMENT

ISO 14001:2004 Environmental management systems

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2003-09-24**
EXPIRY DATE: **2021-06-28**
CERTIFIER OR LAB: **Certiquality**

APPLICABLE FACILITIES: **Panariagroup Industrie Ceramiche SpA - Via Panaria Bassa 22/a, Finale Emilia (MO) Italy - Via dell'Industria 13, Fora di Cavola (RE) Italy - Via Cameazzo 21, Fiorano Modenese (MO) Italy**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

CERTIFYING PARTY: Third Party

ISSUE DATE: 2005-

EXPIRY DATE: 2019-

CERTIFIER OR LAB: Comitato

APPLICABLE FACILITIES: Panariagroup Industrie

04-14

06-23

Ecolabel - Sezione EMAS

Ceramiche SpA - Via Panaria Bassa 22/a, Finale

Italia

Emilia (MO) Italy - Via dell'Industria 13, Fora di

Cavola (RE) Italy - Via Cameazzo 21, Fiorano

Modenese (MO) Italy

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES:

RECYCLED CONTENT**Recycled Content Certification**

CERTIFYING PARTY: Third Party

ISSUE DATE: 2009-

EXPIRY DATE: 2021-

CERTIFIER OR LAB: Ceriquality

APPLICABLE FACILITIES: Panariagroup Industrie

07-28

07-02

Ceramiche SpA - Via Panaria Bassa 22/a, Finale

Emilia (MO) Italy - Via dell'Industria 13, Fora di

Cavola (RE) Italy - Via Cameazzo 21, Fiorano

Modenese (MO) Italy

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: DT 55 ED 02 100915 - Technical document for product certification of construction products with the specified percentage of recycled material: Ceramic Tiles and Sem-finished items for the production thereof.

+ 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.

ADHESIVES

HPD URL: No HPD available

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Accessory materials are required for all bedded installations. VOC content of various mortars and grouts depends on the product selected.

Section 5: General Notes

Panariagroup porcelain tiles are marketed under brands Blustyle, Cotto d'Este, Lea Ceramiche and Panaria Ceramica. LEED data sheets for all Panariagroup products are available upon request, according to LEED V4.



MANUFACTURER INFORMATION

MANUFACTURER: **Panariagroup Industrie Ceramiche S.p.A.**

ADDRESS: **Via Panaria Bassa, 22/A
Finale Emilia Modena 41034, Italia**

WEBSITE: **www.panariagroup.it**

CONTACT NAME: **Marco Levoni**

TITLE: **Quality Manager**

PHONE: **053595111**

EMAIL: **marco.levoni@panariagroup.it**

KEY

OSHA MSDS Occupational Safety and Health Administration Material Safety Data Sheet

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

Hazard Types

AQU Aquatic toxicity

CAN Cancer

DEV Developmental toxicity

END Endocrine activity

EYE Eye irritation/corrosivity

GEN Gene mutation

GLO Global warming

MAM Mammalian/systemic/organ toxicity

MUL Multiple hazards

NEU Neurotoxicity

OZO Ozone depletion

PBT Persistent Bioaccumulative Toxic

PHY Physical Hazard (reactive)

REP Reproductive toxicity

RES Respiratory sensitization

SKI Skin sensitization/irritation/corrosivity

LAN Land Toxicity

NF Not found on Priority Hazard Lists

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 (insufficient data to benchmark)

LT-P1 List Translator Possible Benchmark 1

LT-1 List Translator Likely Benchmark 1

LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)

NoGS Unknown (no data on List Translator Lists)

Recycled Types

PreC Preconsumer (Post-Industrial)

PostC Postconsumer

Both Both Preconsumer and Postconsumer

Unk Inclusion of recycled content is unknown

None Does not include recycled content

Other Terms

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.