

CLASSIFICATION: 09 30 13 Porcelain Tile in conformity with ANSI 137.1

PRODUCT DESCRIPTION: Porcelain stoneware tiles, with water absorption less than 0.5% in accordance with ANSI 137.1

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
 Basic Method

Threshold Disclosed Per

- Material
 Product

Threshold level

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

Residuals/Impurities

- Considered
 Partially Considered
 Not Considered

Explanation(s) provided
for Residuals/Impurities?

- Yes No

All Substances Above the Threshold Indicated Are:

Characterized Yes Ex/SC Yes No

% weight and role provided for all substances.

Screened Yes Ex/SC Yes No

All substances screened using Priority Hazard Lists with results disclosed.

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

FLORIDA TILE PORCELAIN TILES [**FELDSPAR** **LT-UNK** | **RES CLAY** **NoGS**

QUARTZ **LT-1** | **CAN FRITS, CHEMICALS (UNLEADED)** **LT-P1** | **MUL**]

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

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 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: UL/GreenGuard Gold Certified

Other: Green Squared Certification

LCA: Environmental Product Declaration (EPD) by UL - Industry Generic

Recycled content: BVI Recycled Content Certification

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: 2020-02-15

PUBLISHED DATE: 2020-02-15

EXPIRY DATE: 2023-02-15



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

FLORIDA TILE PORCELAIN TILES

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Florida Tile porcelain tiles do not contain any hazardous residuals and/or impurities. 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 hazards are associated with the final, finished product.

OTHER PRODUCT NOTES: During the manufacturing Process 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.

FELDSPAR

ID: 68476-25-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-15

%: 45.00 - 55.00	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. Florida Tile porcelain tiles are classified as "Inert" and are "Fully Vetrified", so there are not dangerous for human health.

CLAY

ID: 1302-87-0

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-02-15

%: 35.00 - 45.00	GS: NoGS	RC: None	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. Florida Tile porcelain tiles are classified as "Inert" and are "Fully Vetrified", so there are not dangerous for human health.

QUARTZ

ID: 14808-60-7

%: **5.00 - 15.00**GS: **LT-1**RC: **None**NANO: **No**ROLE: **Raw material**

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	IARC	Group 1 - Agent is Carcinogenic to humans
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CANCER	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CANCER	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CANCER	GHS - New Zealand	6.7A - Known or presumed human carcinogens
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

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. Florida Tile porcelain tiles are classified as "Inert" and are "Fully Vetrified", so there are not dangerous for human health.

FRITS, CHEMICALS (UNLEADED)ID: **65997-18-4**%: **5.00 - 15.00**GS: **LT-P1**RC: **PreC**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. Florida Tile porcelain tiles are classified as "Inert" and are "Fully Vetrified", so ther 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

UL/GreenGuard Gold Certified

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-09-17**

EXPIRY DATE: **2020-11-07**

CERTIFIER OR LAB: **UL Environment**

APPLICABLE FACILITIES: **Florida Tile - 1247 Alton Road Lawrenceburg KY 40342**

CERTIFICATE URL: <https://spot.ul.com>

CERTIFICATION AND COMPLIANCE NOTES: This study was conducted using a UL Environment's GREENGUARD test method following the requirements of GREENGUARD Certification program. The product was monitored for emissions of total volatile organic compounds (TVOC), formaldehyde, target list aldehydes, and other individual volatile organic compounds (VOCs) over a 168 hour exposure period. These emissions were measured and the resultant air concentrations were determined for each of the potential pollutants.

OTHER

Green Squared Certification

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2017-11-17**

EXPIRY DATE: **2020-12-09**

CERTIFIER OR LAB: **UL Environment**

APPLICABLE FACILITIES: **Florida Tile - 1247 Alton Road Lawrenceburg KY 40342**

CERTIFICATE URL: <https://spot.ul.com>

CERTIFICATION AND COMPLIANCE NOTES: **ANSI 138.1**

LCA

Environmental Product Declaration (EPD) by UL - Industry Generic

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2019-10-24**

EXPIRY DATE: **2020-10-24**

CERTIFIER OR LAB: **UL Environment**

APPLICABLE FACILITIES: **Florida Tile - 1247 Alton Road Lawrenceburg KY 40342**

CERTIFICATE URL: <https://spot.ul.com>

CERTIFICATION AND COMPLIANCE NOTES:

RECYCLED CONTENT

BVI Recycled Content Certification

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2014-10-01**

EXPIRY DATE: **2020-09-06**

CERTIFIER OR LAB: **Bureau Veritas**

APPLICABLE FACILITIES: **Florida Tile - 1247 Alton Road Lawrenceburg KY 40342**

CERTIFICATE URL:

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.

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



MANUFACTURER INFORMATION

MANUFACTURER: **Panariagroup Industrie Ceramiche S.p.A.**
 ADDRESS: **1247 ALTON ROAD**
Lawrenceburg Kentucky 40342, USA
 WEBSITE: **www.floridatile.com**

CONTACT NAME: **Alvaro Hidalgo**
 TITLE: **Senior Quality Engineer**
 PHONE: **5023536059**
 EMAIL: **alvaro.hidalgo@floridatile.com**

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	GLO Global warming	PHY Physical Hazard (reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive toxicity
DEV Developmental toxicity	MUL Multiple hazards	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	OZO Ozone depletion	LAN Land Toxicity
GEN Gene mutation	PBT Persistent Bioaccumulative Toxic	NF Not found on Priority Hazard Lists

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible Benchmark 1
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator Likely Benchmark 1
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown (insufficient information from List Translator lists to benchmark)
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS Unknown (no data on List Translator Lists)
BM-U Benchmark Unspecified (insufficient data to benchmark)	

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.