Fireclay Tile - Glass Tile by Fireclay Tile

Health Product Declaration v2.1

created via: HPDC Online Builder

CLASSIFICATION: 09 30 00.00

PRODUCT DESCRIPTION: Fireclay glass tile is used in Exteriors, Interiors, and Wet Areas as a decorative covering for Walls and Floors.

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

Are All Substances Above the Threshold Indicated:

Characterized ◉ Yes ○ No

Percent Weight and Role Provided?

Screened ◉ Yes ○ No

Using Priority Hazard Lists with Results Disclosed?

Identified ◉ Yes ○ No

Name and Identifier Provided?

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

FIRECLAY TILE - GLASS TILE [QUARTZ LT-1 | CAN DOLOMITE NoGS
SODIUM SULFATE NoGS FRITS, CHEMICALS 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:

Clear glass sheets have lead free and cadmium free ceramic inks mixed and hand applied by silk screen to the back of the glass sheets. Matte and anti-slip finishes are applied in the same way to the surface of the glass sheets. The glass sheets are scored and snapped after coloring and then loaded into a kiln and fired at 1508 degrees Fahrenheit. Fireclay Glass Tiles are inert and have no volatile organic compounds, VOCs.

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: Emission Classification of Building Materials - M1

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: 2018-10-03
PUBLISHED DATE: 2018-10-04
EXPIRY DATE: 2021-10-03

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

FIRECLAY TILE - GLASS TILE

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: Glass Tile inherently has no volatile organic compounds, VOC's. Glass tile is considered a single component created by the high temperature in the kiln. Glass Tile colors are melted and fused to the glass at 1508 degrees Fahrenheit which permanently bonds to the Glass Tile. The Glass tile is resistant to Acid and Alkali attacks.

OTHER PRODUCT NOTES: Fireclay Glass Tile is hand made. The float glass used is manufactured by Pilkington glass.

QUARTZ

ID: 14808-60-7

%: **59.0000 - 60.0000** GS: **LT-1** RC: **Both** NANO: **No** ROLE: **Sand or Quartz is the main component of Float Glass**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
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	New Zealand - GHS	6.7A - Known or presumed human carcinogens
CANCER	Japan - GHS	Carcinogenicity - Category 1A
CANCER	Australia - GHS	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Quartz is the main component of Sand which is used in the manufacturing of Float Glass that makes up the Glass Tile. Glass Tile inherently has no volatile organic compounds, VOC's. It is inert because of its high temperature manufacturing processes.

DOLOMITE

ID: 16389-88-1

%: **19.0000 - 20.0000** GS: **NoGS** RC: **None** NANO: **No** ROLE: **Dolomite assist in the weathering properties of Float Glass.**

HAZARDS:	AGENCY(IES) WITH WARNINGS:	

None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Glass Tile inherently has no volatile organic compounds, VOC's. It is inert because of its high temperature manufacturing processes.

SODIUM SULFATE

ID: 7727-73-3

%: 19.0000 - 20.0000 | GS: NoGS | RC: None | NANO: No | ROLE: Sodium Sulfate lowers the temperature to make Float Glass.

HAZARDS:	AGENCY(IES) WITH WARNINGS:
None Found	No warnings found on HPD Priority lists

SUBSTANCE NOTES: Glass Tile inherently has no volatile organic compounds, VOC's. It is inert because of its high temperature manufacturing processes.

FRITS, CHEMICALS

ID: 65997-18-4

%: 1.0000 - 2.0000 | GS: LT-P1 | RC: UNK | NANO: No | ROLE: Adds color to the backside of Glass Tile

HAZARDS:	AGENCY(IES) WITH WARNINGS:	
MULTIPLE	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

SUBSTANCE NOTES: All Frits used for coloring of the Glass Tile are lead free and cadmium free. Glass Tile inherently has no volatile organic compounds, VOC's. It is inert because of its high temperature manufacturing processes.

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 — **Emission Classification of Building Materials - M1**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: All
CERTIFICATE URL:

ISSUE DATE: 2018-09-18

EXPIRY DATE:

CERTIFIER OR LAB: None

CERTIFICATION AND COMPLIANCE NOTES: Glass Tile does not contain volatile organic compounds, VOCs, because of its production process. Glass is considered an elemental material by the HPD collaborative. Any cutting of Glass Tile should be done with a Wet Tile Saw.

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 all installations. VOC content of various mortars or grouts depend on the product selected.

Section 5: General Notes

Fireclay Tile's Glass Tiles contain no volatile organic compounds, VOC's, because of its production process. Any cutting of Glass Tile should be done with a Wet Tile Saw. Glass is considered an elemental material by the HPD collaborative. Clear glass sheets have lead free and cadmium free ceramic inks mixed and hand applied by silk screen to the back of the glass sheets. Matte and anti-slip finishes are applied in the same way to the surface of the glass sheets. The glass sheets are scored and snapped after coloring and then loaded into a kiln and fired at 1508 degrees Fahrenheit to create the finished product. Some degree in size and color variation is to be expected.

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Fireclay Tile**
ADDRESS: **Fireclay Tile**
901 Brannon Street
San Francisco , CA 94019, United States
WEBSITE: **https:/www.fireclaytile.com**

CONTACT NAME: **Paul Burns**
TITLE: **Founder & Chief Ceramicist**
PHONE: **8007732226**
EMAIL: **paul@fireclaytile.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
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 (insuficient 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.