Fireclay Tile - Glazed Thin Brick
by Fireclay Tile

CLASSIFICATION: 04 20 10.00 Masonry(Thin Brick): Architectural & Glazed Masonry

PRODUCT DESCRIPTION: The raw brick that makes up our Glazed Thin Brick is sourced through a supplier who has been in business for over 100 years and continues to source and manufacture all brick right here in California, within 150 miles from the Fireclay Tile factory. Brick qualifies for LEED points and is glazed on site at the Fireclay Tile factory in Aromas, CA. As with all hand made tile and brick, some degree of color and size variation is to be expected.

Section 1: Summary

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

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

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 - GLAZED THIN BRICK | CLAY NoGS FRITS, CHEMICALS (UNLEADED) LT-P1 MANGANESE DIOXIDE NoGS CHROMITE NoGS BARIUM CARBONATE LT-UNK | | |

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

VOC Content data is not applicable for this product category.

CERTIFICATIONS AND COMPLIANCE

See Section 3 for additional listings.

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- Yes
- No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #: 
SCREENING DATE: 2018-05-02
PUBLISHED DATE: 2018-06-26
EXPIRY DATE: 2021-05-02

Fireclay Tile - Glazed Thin Brick
hpdrepository.hpd-collaborative.org

HPD v2.1 created via HPDC Builder Page 1 of 5
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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### FIRECLAY TILE - GLAZED THIN BRICK

<table>
<thead>
<tr>
<th>PRODUCT THRESHOLD:</th>
<th>1000 ppm</th>
<th>RESIDUALS AND IMPURITIES CONSIDERED:</th>
<th>Yes</th>
</tr>
</thead>
</table>

**RESIDUALS AND IMPURITIES NOTES:** Brick made from Clay or Shale is extracted from the ground and fired to become a solid mass that does not off gas or leach out materials harmful to the environment or people.

**OTHER PRODUCT NOTES:** Clay/Shale Aluminum Silicate is the main ingredient in manufacturing clay brick products and is one of the most readily available soil types on earth. The product is recyclable by grinding, reforming, firing and repackaging. Crushed brick can be use as decorative landscaping materials. Fireclay tile recycles our own tile and glaze waste and reincorporates it into our recycled body tile.

#### CLAY

<table>
<thead>
<tr>
<th>%: 95.0000 - 100.0000</th>
<th>GS: NoGS</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Clay, Aluminum Silicate, is the main ingredient in our thin brick.</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

No warnings found on HPD Priority lists

**SUBSTANCE NOTES:** Clay, Aluminum Silicate, is the main ingredient in our thin brick. It is one of the most abundant soil types on earth.

### FRITS, CHEMICALS (UNLEADED)

<table>
<thead>
<tr>
<th>%: 2.0000 - 5.0000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: Frits are oxides to color the glaze.</th>
</tr>
</thead>
</table>

**HAZARDS:**

MULTIPLE

German FEA - Substances Hazardous to Waters  
Class 2 - Hazard to Waters

**SUBSTANCE NOTES:** Fritz are oxides to color the glaze. When fired at high temperatures in a kiln the resulting product is inert.

### MANGANESE DIOXIDE

<table>
<thead>
<tr>
<th>%: 0.0000 - 3.0000</th>
<th>GS: LT-P1</th>
<th>RC: None</th>
<th>NANO: No</th>
<th>ROLE: A pigment added to clay to make white brick transition to browns and blacks.</th>
</tr>
</thead>
</table>

**HAZARDS:**

None Found

**AGENCY(IES) WITH WARNINGS:**

None Found

No warnings found on HPD Priority lists
### CHROMITE

**ID:** 1308-31-2  
**%:** 0.0000 - 3.0000  
**GS:** NoGS  
**RC:** None  
**NANO:** No  
**ROLE:** A pigment added to clay to make white brick transition to browns and blacks.

**HAZARDS:**  
None Found

**SUBSTANCE NOTES:** A pigment added to clay to make white brick transition to browns and blacks.

### BARIUM CARBONATE

**ID:** 513-77-9  
**%:** 0.0000 - 3.0000  
**GS:** LT-UNK  
**RC:** None  
**NANO:** No  
**ROLE:** Barium Carbonate is used to tie up soluble salts inherent in clays that create efflorescence and scum.

**HAZARDS:**  
None Found

**SUBSTANCE NOTES:** Barium Carbonate is used to tie up soluble salts inherent in clays that create efflorescence and scum.
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.

<table>
<thead>
<tr>
<th>VOC EMISSIONS</th>
<th>Emission Classification of Building Materials - M1</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERTIFYING PARTY: Self-declared</td>
<td>ISSUE DATE: 2018-05-01</td>
</tr>
<tr>
<td>APPLICABLE FACILITIES: Thin Brick does not give off volatile organic compounds, VOC's, because it is an inherently non-emitting source per LEED®.</td>
<td>EXPIRY DATE:</td>
</tr>
<tr>
<td>CERTIFICATE URL:</td>
<td>CERTIFIER OR LAB: Self Declared</td>
</tr>
<tr>
<td>CERTIFICATION AND COMPLIANCE NOTES:</td>
<td></td>
</tr>
</tbody>
</table>

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:

Mortar and Grout are required for all Installations. VOC content of various mortars and grouts depends on the product selected.

Section 5: General Notes

Fireclay Tile's Thin Brick does not contain any volatile organic compounds, VOC's. Fireclay Tile's Thin Brick is substantially lighter than traditional glazed brick, resulting in potentially an 85% cost and emission reduction. Fireclay Tile recycles our own tile and glaze waste and reincorporates it into our recycled clay tile.
MANUFACTURER INFORMATION

MANUFACTURER: Fireclay Tile
ADDRESS: 901 Brannon Street
San Francisco CA 94013, United States
WEBSITE: www.fireclaytile.com

CONTACT NAME: Paul Burns
TITLE: Founder & Chief Ceramicist
PHONE: 800.773.2226
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 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.