

# Ceramic tiles in fine glazed and unglazed porcelain stoneware

by FLORIM Ceramiche Spa

CLASSIFICATION: 09 30 00 Tiling

## PRODUCT DESCRIPTION:

Ceramic tiles in fine glazed and unglazed porcelain stoneware with water absorption E<0.1%, in conformity with annex G, ISO 13006 and EN 14411 " Ceramic tiles - Definitions, classification, characteristics, evaluation of conformity and marking".

# Health Product Declaration v2.1

created via: HPD Fillable Form



## Section 1: Summary

## Basic Method/Product Threshold

### CONTENT INVENTORY

Inventory Reporting Format	Threshold Level	Residuals/Impurities	Are All Substances Above the Threshold Indicated:
<input type="radio"/> Nested Materials Method	<input checked="" type="radio"/> 100 ppm	<input checked="" type="radio"/> Considered	<b>Characterized</b> <input checked="" type="radio"/> Yes <input type="radio"/> No
<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Partially Considered	Percent Weight and Role Provided?
<b>Threshold Disclosed Per</b>	<input type="radio"/> Per GHS SDS	<input type="radio"/> Not Considered	<b>Screened</b> <input type="radio"/> Yes <input checked="" type="radio"/> No
<input type="radio"/> Material	<input type="radio"/> Per OSHA MSDS	Explanation(s) provided for Residuals/Impurities?	Using Priority Hazard Lists with Results Disclosed?
<input checked="" type="radio"/> Product	<input type="radio"/> Other	<input checked="" type="radio"/> Yes <input type="radio"/> No	<b>Identified</b> <input type="radio"/> Yes <input checked="" type="radio"/> 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.

Number of Greenscreen BM-4/BM-3 contents: 0  
Contents highest concern GreenScreen Benchmark or List translator Score: UNK  
Nanomaterial: No

#### SUBSTANCE | RESIDUAL OR IMPURITY

#### GREENSCREEN SCORE | HAZARD TYPE

Ceramic materials and wares (PORCELAIN CERAMIC NoGS)

#### 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: GreenGuard - GreenGuard Gold CERTIFIED

### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed

Third Party Verified?

Yes

No

PREPARER:

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-09-06

PUBLISHED DATE: 2019-09-06

EXPIRY DATE: 2022-09-05



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)

PRODUCT THRESHOLD:

RESIDUALS AND IMPURITIES CONSIDERED:

RESIDUALS/IMPURITIES 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.

OTHER PRODUCT NOTES:

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. The physical and chemical reactions in the kiln-firing process transform 100% of the initial ingredients into the final fired tile product.

PORCELAIN CERAMIC

ID:

%: 100	GS: NoGS	RC: Both	NANO: No	ROLE: The tile is composed entirely
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HAZARDS	AGENCY(IES) WITH WARNINGS:
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None found	No warnings found on HPD Priority lists
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SUBSTANCE 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.

ID:

%:	GS:	RC:	NANO:	ROLE:
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HAZARDS	AGENCY(IES) WITH WARNINGS:
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SUBSTANCE NOTES:

ID:

%:	GS:	RC:	NANO:	ROLE:
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HAZARDS	AGENCY(IES) WITH WARNINGS:
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SUBSTANCE NOTES:

ID:

%:	GS:	RC:	NANO:	ROLE:
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HAZARDS	AGENCY(IES) WITH WARNINGS:
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SUBSTANCE NOTES:



## 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.

### ISO 9001 Quality management systems

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CERTIFYING PARTY: **Third Party**      ISSUE DATE: **1999-06-29**      EXPIRY DATE:  
CERTIFIER OR LAB: **TÜV SUD**  
APPLICABLE FACILITIES: **Florim Ceramiche SpA, Via Canaletto 24, 41042, Fiorano Modenese (MO), Italy**  
CERTIFICATE URL: <https://www.florim.com/en/sustainability/certifications/>  
CERTIFICATION AND COMPLIANCE NOTES:

The FLORIM management system for quality is certified by TUV SUD according to the standards: ISO 9001 - Quality management system. Updated certificate is available on [www.florim.com](http://www.florim.com)

### ISO 14001 Enviromental management systems

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CERTIFYING PARTY: **Third Party**      ISSUE DATE: **2010-11-21**      EXPIRY DATE:  
CERTIFIER OR LAB: **TÜV SUD**  
APPLICABLE FACILITIES: **Florim Ceramiche SpA, Via Canaletto 24, 41042, Fiorano Modenese (MO), Italy**  
CERTIFICATE URL: <https://www.florim.com/en/sustainability/certifications/>  
CERTIFICATION AND COMPLIANCE NOTES:

The FLORIM management system for enviroment is certified by TUV SUD according to the standards: ISO 14001 - Enviroment management system. Updated certificates are available on [www.florim.com](http://www.florim.com)

### OHSAS 18001 Occupational health and safety management systems

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CERTIFYING PARTY: **Third Party**      ISSUE DATE: **2010-12-29**      EXPIRY DATE:  
CERTIFIER OR LAB: **TÜV SUD**  
APPLICABLE FACILITIES: **Florim Ceramiche SpA, Via Canaletto 24, 41042, Fiorano Modenese (MO), Italy**  
CERTIFICATE URL: <https://www.florim.com/en/sustainability/certifications/>  
CERTIFICATION AND COMPLIANCE NOTES:

The FLORIM management system for health and safety is certified by TUV SUD according to the standards: BS OHSAS 18001 - Occupational health and safety management system. Updated certificate is available on [www.florim.com](http://www.florim.com)

### ISO 50001 Energy management systems

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CERTIFYING PARTY: **Third Party**      ISSUE DATE: **2017-03-07**      EXPIRY DATE:  
CERTIFIER OR LAB: **TÜV SUD**  
APPLICABLE FACILITIES: **Florim Ceramiche SpA, Via Canaletto 24, 41042, Fiorano Modenese (MO), Italy**  
CERTIFICATE URL: <https://www.florim.com/en/sustainability/certifications/>  
CERTIFICATION AND COMPLIANCE NOTES:

The FLORIM management system for energy is certified by TUV SUD according to the standards: ISO 50001 - Energy management system. Updated certificates are available on [www.florim.com](http://www.florim.com)

### RECYCLED CONTENT Recycled content certification

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CERTIFYING PARTY: **Third Party**      ISSUE DATE: **2008-06-20**      EXPIRY DATE:  
CERTIFIER OR LAB: **Bureau Veritas Italia S.p.a.**  
APPLICABLE FACILITIES: **Florim Ceramiche SpA, Via Canaletto 24, 41042, Fiorano Modenese (MO), Italy**  
CERTIFICATE URL: [www.bureauveritas.it](http://www.bureauveritas.it)  
CERTIFICATION AND COMPLIANCE NOTES:

The certification is applied to the products listed in the certificate available on: [www.florim.com](http://www.florim.com)



## 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.

### GreenGuard GOLD

### VOC Emissions

CERTIFYING PARTY: **Third Party**      ISSUE DATE: **2014-04-17**      EXPIRY DATE:  
CERTIFIER OR LAB: **UL Environment inc**  
APPLICABLE FACILITIES: **Florim Ceramiche SpA, Via Canaletto 24, 41042, Fiorano Modenese (MO), Italy**  
CERTIFICATE URL: **<https://spot.ul.com/main-app/products/catalog/?sort=name&order=asc>**  
CERTIFICATION AND COMPLIANCE NOTES:

GreenGuard / GreenGuard Gold certificate are available for all tile products manufactured.

### Multi-attribute

### EPD - Enviromental Product Declaration - Industry generic

CERTIFYING PARTY: **Third Party**      ISSUE DATE: **2016-09-26**      EXPIRY DATE:  
CERTIFIER OR LAB: **IBU - Institut Bauen und Umwelt e.v.**  
APPLICABLE FACILITIES: **Florim Ceramiche SpA, Via Canaletto 24, 41042, Fiorano Modenese (MO), Italy**  
CERTIFICATE URL: **<http://www.confindustriaceramica.it/site/en/home/eventi/articolo8548.html>**  
CERTIFICATION AND COMPLIANCE NOTES:

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CERTIFYING PARTY:      ISSUE DATE:      EXPIRY DATE:  
CERTIFIER OR LAB:  
APPLICABLE FACILITIES:  
CERTIFICATE URL:  
CERTIFICATION AND COMPLIANCE NOTES:

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CERTIFYING PARTY:      ISSUE DATE:      EXPIRY DATE:  
CERTIFIER OR LAB:  
APPLICABLE FACILITIES:  
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CERTIFYING PARTY:      ISSUE DATE:      EXPIRY DATE:  
CERTIFIER OR LAB:  
APPLICABLE FACILITIES:  
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.*

### ACCESSORY MATERIAL

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HPD URL: No HPD link provided

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

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

## Section 5: General Notes

This HPD applies to all tile manufactured at the Florim Ceramiche Spa facility in Italy.

1) Ceramic tiles do not release hazardous substances after installation: during the firing process stable chemical compounds are formed, so the ceramic tiles are not considered hazardous to health. Activities such as cutting, grinding, drilling etc. of ceramic tiles may form dust, the direct inhalation of this dust may be hazardous to health and must be avoided. It is necessary to prevent the dispersion / inhalation of dust with aspiration systems and using personal protective equipment of the respiratory tract.

2) ISO 13006 Ceramic tiles — Definitions, classification, characteristics and marking  
TERMS AND DEFINITIONS: CERAMIC TILE: thin slab made from clays and/or other inorganic raw materials, generally used as covering for floors and walls, usually shaped by extruding or pressing at room temperature, but may be formed by other processes, then dried and subsequently fired at temperatures sufficient to develop the required properties. Note: Tiles may be glazed (GL) or unglazed (UGL); they are incombustible and are not affected by light. PORCELAIN TILE: fully vitrified tile with water absorption coefficient less than or equal to a mass fraction of 0,5 %, belonging to groups A1a and B1a.

**MANUFACTURER INFORMATION**MANUFACTURER: **FLORIM Ceramiche S.p.a.**ADDRESS: Via Canaletto, 24  
Fiorano Modenese, Modena, 41042, ItalyWEBSITE: [www.florim.com](http://www.florim.com)CONTACT NAME: **Marco Maffei**TITLE: **Systems Manager**PHONE: **+390536840111**EMAIL: **maffeim@florim.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.