

# Ceramic tiles produced by Industrie Ceramiche PIEMME S.p.A. by Industrie Ceramiche Piemme S.p.A.

## Health Product Declaration v2.1

created via: HPDC Online Builder

**CLASSIFICATION:** 09 30 00: Tiling

**PRODUCT DESCRIPTION:** The ceramic tiles produced by Industrie Ceramiche Piemme S.p.A. are manufactured using very high-temperature firing processes. For the realization of our ceramic products, rocks from quarries and water are used, binding together to create an inert product from a chemical-physical point of view, resistant to fire (Classification: A - Flame Spread: 0 - Smoke Development: 0) and resistant over time. Ceramic tiles help to make healthy indoor environments as they do not release volatile organic substances (SOV) or other pollutants.

### 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](#)

[CERAMIC TILES PRODUCED BY INDUSTRIE CERAMICHE PIEMME S.P.A. \[](#)  
[KAOLIN CLAY](#) [LT-UNK](#) | [CAN](#) [FELDSPAR](#) [LT-UNK](#) | [RES](#) [SILICA, FUSED](#) [LT-](#)  
[1](#) | [CAN](#) ]

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:

This HPD covers all Industrie Ceramiche Piemme S.p.A. brands: CERAMICHE PIEMME Floor and More, VALENTINO by Ceramiche Piemme, PIEMMEGREGS Dry pressed ceramic tiles are classified as BIa and BIll group in according with ISO 13006:2012 / EN 14411:2012. In accordance with TUV AUSTRIA CERT procedures, Industrie Ceramiche Piemme S.p.A. applies a Quality and Environmental Management System certified ISO 9001:2015 and ISO 14001:2015 since 2014/04/17.

#### 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: VOC Emissions  
Other: ISO 9001:2015 Quality management systems  
Other: ISO 14001:2004 Environmental management systems  
Formaldehyde emissions: VOC Emissions

#### CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes  
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2018-10-22

PUBLISHED DATE: 2018-12-13

EXPIRY DATE: 2021-10-22



## 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](http://www.hpd-collaborative.org/hpd-2-1-standard)

### CERAMIC TILES PRODUCED BY INDUSTRIE CERAMICHE PIEMME S.P.A.

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: The firing process transforms the raw materials mixture into a chemical and physical structure (tile) where any residues and impurities are not detectable.

OTHER PRODUCT NOTES: All hazardous chemical products are converted in inert components by firing process. Consequently, all porcelain tiles are completely vitrified and no residues remain.

#### KAOLIN CLAY

ID: 1332-58-7

#: 84.0000 - 88.0000 GS: LT-UNK RC: None NANO: No ROLE: Pre firing phase

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

MAK

Carcinogen Group 3B - Evidence of carcinogenic effects but not sufficient for classification

SUBSTANCE NOTES: Variable percentage. All hazard components are only associated with manufacturing process. The final product, after high firing phase, is totally safe to be used by the customer.

#### FELDSPAR

ID: 68476-25-5

#: 1.0000 - 2.0000 GS: LT-UNK RC: None NANO: No ROLE: Pre firing phase

HAZARDS:

AGENCY(IES) WITH WARNINGS:

RESPIRATORY

AOEC - Asthmagens

Asthmagen (Rs) - sensitizer-induced

SUBSTANCE NOTES: Variable percentage. All hazard components are only associated with manufacturing process. The final product, after high firing phase, is totally safe to be used by the customer.

#### SILICA, FUSED

ID: 60676-86-0

#: 0.0000 - 1.0000 GS: LT-1 RC: None NANO: No ROLE: Pre firing phase

HAZARDS:

AGENCY(IES) WITH WARNINGS:

CANCER

US CDC - Occupational Carcinogens

Occupational Carcinogen

SUBSTANCE NOTES: Variable percentage. All hazard components are only associated with manufacturing process. The final product, after high firing phase, is totally safe to be used by the customer.

## 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

### VOC Emissions

CERTIFYING PARTY: **Second Party**

APPLICABLE FACILITIES: **All industrie Ceramiche  
Piemme Facilities**

CERTIFICATE URL:

[https://www.ceramichepiemme.it/allegati/2013-10-16-VOC-UNI-En-Iso-16000-9-Gres+Mono\\_170823040038.pdf](https://www.ceramichepiemme.it/allegati/2013-10-16-VOC-UNI-En-Iso-16000-9-Gres+Mono_170823040038.pdf)

ISSUE DATE: **2013-10-16**

EXPIRY DATE:

CERTIFIER OR LAB: **Istituto  
Giordano S.p.A. Via Rossini,  
2 - 47814 Bellaria-Igea  
Marina (RN) - Italia**

CERTIFICATION AND COMPLIANCE NOTES: **Emission of Volatile Organic Compounds (VOC) using testing chamber method according to standard UNI EN ISO 16000-9:2006 Classification "A+" according to the French Decree No. 321/2011 of March 23, 2011 and Order of April 19, 2011, based on emission after 28 days.**

### OTHER

### ISO 9001:2015 Quality management systems

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All Industrie Ceramiiche  
Piemme S.p.A. facilities.**

CERTIFICATE URL:

[https://en.ceramichepiemme.it/allegati/2017-05-29%20Certificato%20ISO%209001-14001-15%20ENGL\\_181012025555.pdf](https://en.ceramichepiemme.it/allegati/2017-05-29%20Certificato%20ISO%209001-14001-15%20ENGL_181012025555.pdf)

ISSUE DATE: **2014-04-17**

EXPIRY DATE: **2020-04-16**

CERTIFIER OR LAB: **TUV AUSTRIA  
CERT GMBH**

CERTIFICATION AND COMPLIANCE NOTES: **Design and production of porcelain and white body porous ceramic tiles by means of grinding process and atomization of raw materials, pressing, drying, glazing, firing, polishing, rectification and sorting.**

### OTHER

### ISO 14001:2004 Environmental management systems

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **All Industrie Ceramiche  
Piemme S.p.A. facilities**

CERTIFICATE URL:

[https://en.ceramichepiemme.it/allegati/2017-05-29%20Certificato%20ISO%209001-14001-15%20ENGL\\_181012025555.pdf](https://en.ceramichepiemme.it/allegati/2017-05-29%20Certificato%20ISO%209001-14001-15%20ENGL_181012025555.pdf)

ISSUE DATE: **2014-04-17**

EXPIRY DATE: **2020-04-16**

CERTIFIER OR LAB: **TUV AUSTRIA  
CERT GMBH**

CERTIFICATION AND COMPLIANCE NOTES: **ISO 14001:2015 Environmental management systems Design and production of porcelain and white body porous ceramic tiles by means of grinding process and atomization of raw materials, pressing, drying, glazing, firing, polishing, rectification and sorting.**

### FORMALDEHYDE EMISSIONS

### VOC Emissions

CERTIFYING PARTY: **Second Party**

APPLICABLE FACILITIES: **All industrie Ceramiche  
Piemme Facilities**

CERTIFICATE URL:

[https://www.ceramichepiemme.it/allegati/2013-10-16-VOC-UNI-En-Iso-16000-9-Gres+Mono\\_170823040038.pdf](https://www.ceramichepiemme.it/allegati/2013-10-16-VOC-UNI-En-Iso-16000-9-Gres+Mono_170823040038.pdf)

ISSUE DATE: **2013-10-16**

EXPIRY DATE:

CERTIFIER OR LAB: **Istituto  
Giordano S.p.A. Via Rossini,  
2 - 47814 Bellaria-Igea  
Marina (RN) - Italia**

CERTIFICATION AND COMPLIANCE NOTES: Formaldehyde - 28 days - < 2 µg/m<sup>3</sup> Classification "A+" according to the French Decree No. 321/2011 of March 23, 2011 and Order of April 19, 2011, based on emission after 28 days. Emission of Volatile Organic Compounds (VOC) using testing chamber method according to standard UNI EN ISO 16000-9:2006

## RECYCLED CONTENT

## Recycled Content

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2018-**

EXPIRY DATE:

CERTIFIER OR LAB: **Industrie**

APPLICABLE FACILITIES: **All Industrie Ceramiche  
Piemme facilities**

**11-28**

**Ceramiche Piemme S.p.A.**

CERTIFICATE URL:

[https://www.ceramichepiemme.it/allegati/2018-11-28%20LEED%20declaration%20-%20I.C.PIEMME%20series%20-%202018%20Pre-consumer\\_181206022827.pdf](https://www.ceramichepiemme.it/allegati/2018-11-28%20LEED%20declaration%20-%20I.C.PIEMME%20series%20-%202018%20Pre-consumer_181206022827.pdf)

CERTIFICATION AND COMPLIANCE NOTES: **Presence of at least 18 % - pre-consumer recycled ceramic content by weight. In accordance with the following requirements: UNI EN ISO 14021:2002 Environmental labels and declarations (Type II environmental labelling) LEED for New Construction & Major Renovations Rating System version 3 - 2009**

## MULTI-ATTRIBUTE

## Environmental Product Declaration (EPD) by IBU - Industry Generic

CERTIFYING PARTY: **Third Party**

ISSUE DATE: **2016-**

EXPIRY DATE: **2025-**

CERTIFIER OR LAB: **www.ibu-**

APPLICABLE FACILITIES: **All Industrie Ceramiche  
Piemme facilities**

**09-20**

**09-20**

**epd.com / https://epd-online.com**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **ENVIRONMENTAL PRODUCT DECLARATION as per ISO 14025 and EN 15804 Italian Ceramic Tiles Confindustria Ceramica**

## 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.*

## INSTALLATION AND MAINTENANCE INSTRUCTIONS

HPD URL:

[https://en.ceramichepiemme.it/allegati/PM\\_NORME\\_POSA\\_LEVIGATO\\_EN\\_171128114943.pdf](https://en.ceramichepiemme.it/allegati/PM_NORME_POSA_LEVIGATO_EN_171128114943.pdf)

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

**INSTALLATION AND MAINTENANCE INSTRUCTIONS**

## Section 5: General Notes

All Industrie Ceramiche Piemme technical documents can be found at following website:  
<https://en.ceramichepiemme.it/piemmefloorandmore/area-download>



## MANUFACTURER INFORMATION

MANUFACTURER: **Industrie Ceramiche Piemme S.p.A.**  
 ADDRESS: **Via del Crociale, 42/44**  
**Fiorano Modena 41042, Italy**  
 WEBSITE: **www.ceramichepiemme.it**

CONTACT NAME: **Accardi Francesco**  
 TITLE: **Engineer**  
 PHONE: **+39 536 849 111**  
 EMAIL: **f.accardi@ceramichepiemme.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

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

### GreenScreen (GS)

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