



HPD

CERTIFICATION

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PICCOLI COLLECTION

GRES PORCELAIN STONEWARE - BRAND CERAMICHE COEM, BRAND CERAMICA FIORANESE BY COEM SPA by Coem SpA

Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 840089600

CLASSIFICATION: 09 30 13 Ceramic Tiling

PRODUCT TYPE: Ceramic (Tile)

PRODUCT DESCRIPTION: Porcelain stoneware tiles suitable for both floor and wall applications, offering exceptional durability, high aesthetic value, and versatility for residential and commercial spaces. Developed by Ceramiche Coem and Ceramiche Fioranese, these surfaces reflect a commitment to technical excellence and Italian design culture.

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
- Other

Residuals/Impurities Evaluation

- Completed
- Partially Completed
- Not Completed

Explanation(s) provided :

- Yes No

For all contents above the threshold, the manufacturer has:

Characterized Yes No

Provided weight and role.

Screened Yes No

Provided screening results using HPDC-approved methods.

Identified Yes No

Provided name and CAS RN or other 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.

[PRODUCT](#) | [MATERIAL OR SUBSTANCE](#) | [RESIDUAL OR IMPURITY](#)

[GREENSCREEN SCORE](#) | HAZARD TYPE

[GRES PORCELAIN STONEWARE - BRAND CERAMICHE COEM, BRAND CERAMICA FIORANESE BY COEM SPA](#) | [SILICA, AMORPHOUS \(PRIMARY CASRN IS 7631-86-9\)](#) [BM-1](#) | CAN | [MAM QUARTZ](#) [BM-1](#) | CAN | MAM | [GEN MULLITE \(AL6O5\(SIO4\)2\)](#) [LT-UNK](#) |

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

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

Ceramic porcelain tiles and slabs, designed for floor and wall applications both indoors and outdoors, are inert and fully vitrified. Fired at temperatures exceeding 1200 °C (approximately 2192 °F), the material becomes extremely compact, non-porous, and resistant to chemicals, scratches, and moisture. Its excellent durability and aesthetic versatility make it ideal for residential, commercial, and architectural projects.

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: Inherently non-emitting source per LEED

Type 1: ISO 17889-1 Sustainability for ceramic tiles and installation materials - Part 1: Specification for ceramic tiles

Recycled content: Extended Producer Responsibility (EPR) program - LEED compliant

Management: ISO 9001:2015 Quality management systems

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2025-07-22

PUBLISHED DATE: 2025-07-24

EXPIRY DATE: 2028-07-22



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 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

GRES PORCELAIN STONEWARE - BRAND CERAMICHE COEM, BRAND CERAMICA FIORANESE BY COEM SPA

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: No

RESIDUALS AND IMPURITIES NOTES: The ceramic mixture used in the manufacturing of porcelain tiles may contain residual compounds derived from natural raw materials (e.g., clays, feldspars, sands) and trace impurities related to production processes. All residuals are firmly bound within the vitrified matrix formed during firing at high temperatures (above 1200°C), and therefore do not pose a risk of exposure or emission during normal use. No residuals or impurities of concern remain in the finished product.

OTHER PRODUCT NOTES: Porcelain stoneware tiles are inherently non-emitting sources of VOCs, in accordance with LEED v4 criteria. The product contains a verified share of recycled content in compliance with ISO 17889-1 and is produced using processes with low environmental impact. Manufactured in Italy using responsibly sourced raw materials, the tiles are designed for long-term durability and contribute to the indoor environmental quality of buildings. Installation recommendations include wet cutting or score-and-snap methods to limit dust dispersion.

SILICA, AMORPHOUS (PRIMARY CASRN IS 7631-86-9)

ID: 107497-59-6

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-07-22 3:17:05

%: 65.0000 - 75.0000 GreenScreen: BM-1 RC: None NANO: No SUBSTANCE ROLE: Ceramic body

Table with 3 columns: HAZARD TYPE, LIST NAME AND SOURCE, WARNINGS. Rows include CAN, MAM, and RESTRICTED LIST with associated hazard information and sources like GHS - Japan and Green Science Policy Institute (GSPI).



SUBSTANCE NOTES: Depending on the product type, certain hazardous components subject to occupational exposure limits may only be present in airborne dust generated during dry cutting, grinding, or removal operations—such as installation, demolition, or maintenance. To minimize exposure, it is recommended to use equipment with integrated dust extraction systems and/or localized exhaust ventilation. Wet cutting or score-and-snap methods are strongly advised to reduce dust dispersion.

Improper techniques, such as dry cutting with power tools, can release respirable silica dust, potentially causing acute respiratory damage. In the absence of effective ventilation systems, the use of appropriate masks or respirators, compliant with current regulations, is mandatory.

QUARTZ

ID: 14808-60-7

HAZARD DATA SOURCE: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2025-07-22 3:27:33

%: 20.0000 - 25.0000 GreenScreen: BM-1 RC: None NANO: No SUBSTANCE ROLE: Ceramic body

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	US NIH - Report on Carcinogens	Known to be Human Carcinogen (respirable size - occupational setting)
CAN	MAK	Carcinogen Group 1 - Substances that cause cancer in man
CAN	IARC	Group 1 - Agent is carcinogenic to humans - inhaled from occupational sources
CAN	IARC	Group 1 - Agent is Carcinogenic to humans
CAN	US NIH - Report on Carcinogens	Known to be a human Carcinogen
CAN	GHS - Japan	H350 - May cause cancer [Carcinogenicity - Category 1A]
CAN	GHS - Australia	H350i - May cause cancer by inhalation [Carcinogenicity - Category 1A or 1B]
CAN	GHS - New Zealand	Carcinogenicity category 1
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
GEN	GHS - Japan	H341 - Suspected of causing genetic defects [Germ cell mutagenicity - Category 2]
MAM	GHS - Australia	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organ toxicity - repeated exposure - Category 1]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1



SUBSTANCE NOTES: Depending on the product type, certain hazardous components subject to occupational exposure limits may only be present in airborne dust generated during dry cutting, grinding, or removal operations—such as installation, demolition, or maintenance. To minimize exposure, it is recommended to use equipment with integrated dust extraction systems and/or localized exhaust ventilation. Wet cutting or score-and-snap methods are strongly advised to reduce dust dispersion.

Improper techniques, such as dry cutting with power tools, can release respirable silica dust, potentially causing acute respiratory damage. In the absence of effective ventilation systems, the use of appropriate masks or respirators, compliant with current regulations, is mandatory.

MULLITE (AL6O5(SIO4)2)

ID: 1302-93-8

HAZARD DATA SOURCE: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2025-07-22 3:33:47
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%: 5.0000 - 6.5000	GreenScreen: LT-UNK	RC: None	NANO: No	SUBSTANCE ROLE: Ceramic body
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HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

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.

VOC EMISSIONS	Inherently non-emitting source per LEED	
<p>CERTIFYING PARTY: Self-declared</p> <p>APPLICABLE FACILITIES: Applicable to Coem S.p.A., including the Ceramiche Coem and Ceramica Fioranese brands.</p> <p>CERTIFICATE URL:</p> <p>CERTIFICATION AND COMPLIANCE NOTES: According to LEED Building Design & Construction v4, products such as ceramic tiles that are inherently non-emitting sources of VOCs are deemed fully compliant and do not require VOC emissions testing.</p>	<p>ISSUE DATE: 2025-07-22 00:00:00</p> <p>EXPIRY DATE:</p>	<p>CERTIFIER OR LAB: None</p>
TYPE 1	ISO 17889-1 Sustainability for ceramic tiles and installation materials - Part 1: Specification for ceramic tiles	
<p>CERTIFYING PARTY: Third Party</p> <p>APPLICABLE FACILITIES: Applicable to Coem S.p.A., including the Ceramiche Coem and Ceramica Fioranese brands.</p> <p>CERTIFICATE URL: https://www.coem.it/wp-content/uploads/2023/10/30764_181023.pdf</p> <p>CERTIFICATION AND COMPLIANCE NOTES: N 68824</p>	<p>ISSUE DATE: 2024-12-17 00:00:00</p> <p>EXPIRY DATE: 2025-12-17 00:00:00</p>	<p>CERTIFIER OR LAB: CERTIQUALITY</p>
RECYCLED CONTENT	Extended Producer Responsibility (EPR) program - LEED compliant	
<p>CERTIFYING PARTY: Self-declared</p> <p>APPLICABLE FACILITIES: Applicable to Coem S.p.A., including the Ceramiche Coem and Ceramica Fioranese brands.</p> <p>CERTIFICATE URL:</p> <p>CERTIFICATION AND COMPLIANCE NOTES: The content is also accounted for within the recycled material share, in accordance with ISO 17889-1, and has been verified by an independent third party.</p>	<p>ISSUE DATE: 2024-12-10 00:00:00</p> <p>EXPIRY DATE:</p>	<p>CERTIFIER OR LAB: NONE</p>
MANAGEMENT	ISO 9001:2015 Quality management systems	
<p>CERTIFYING PARTY: Third Party</p> <p>APPLICABLE FACILITIES: Applicable to Coem S.p.A., including the Ceramiche Coem and Ceramica Fioranese brands.</p> <p>CERTIFICATE URL: https://www.coem.it/wp-content/uploads/2023/12/17291_231220_UN.pdf</p> <p>CERTIFICATION AND COMPLIANCE NOTES:</p>	<p>ISSUE DATE: 2023-12-20 00:00:00</p> <p>EXPIRY DATE: 2026-12-12 00:00:00</p>	<p>CERTIFIER OR LAB: CERTIQUALITY</p>
MANAGEMENT	ISO 14001:2004 Environmental management systems	
<p>CERTIFYING PARTY: Third Party</p> <p>APPLICABLE FACILITIES: Applicable to Coem S.p.A., including the Ceramiche Coem and Ceramica Fioranese brands.</p> <p>CERTIFICATE URL: https://www.coem.it/wp-content/uploads/2023/04/UNI-EN-ISO-14001-2015.pdf</p> <p>CERTIFICATION AND COMPLIANCE NOTES:</p>	<p>ISSUE DATE: 2022-11-17 00:00:00</p> <p>EXPIRY DATE: 2025-09-19 00:00:00</p>	<p>CERTIFIER OR LAB: CERTIQUALITY</p>
3	ISO 45001:2023	
<p>CERTIFYING PARTY: Third Party</p> <p>APPLICABLE FACILITIES: Applicable to Coem S.p.A., including the Ceramiche Coem and Ceramica Fioranese brands.</p> <p>CERTIFICATE URL: https://www.coem.it/wp-content/uploads/2024/08/29579_240725_UN.pdf</p> <p>CERTIFICATION AND COMPLIANCE NOTES: Occupational health and safety management systems</p>	<p>ISSUE DATE: 2024-07-25 00:00:00</p> <p>EXPIRY DATE: 2027-07-28 00:00:00</p>	<p>CERTIFIER OR LAB: CERTIQUALITY</p>



TILING METHODS - MAINTENANCE

MANUFACTURER (OR GENERIC): **Coem Spa**

HPD URL: https://www.coem.it/wp-content/uploads/2024/06/Download-Coem_tech-area-24.25.jpg

ACCESSORY TYPE: Other

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: RECOMMENDED USE OF PORCELAIN TILES

Section 5: General Notes

Coem S.p.A. is an Italian company with a long-standing industrial tradition, founded in the early 1970s in Fiorano Modenese, at the heart of the Emilia-Romagna ceramic district. Through its two brands, Ceramiche Coem and Ceramica Fioranese, the company has established itself internationally for the production of high-quality porcelain stoneware tiles, inspired by the beauty of natural stone and reinterpreted with cutting-edge technologies and contemporary design.

From the very beginning, Coem has combined aesthetics, technical research, and sustainability, promoting a production philosophy rooted in environmental respect and people's well-being. Its commitment to sustainability is reflected in low-impact manufacturing processes, the use of renewable energy sources such as photovoltaic systems, and the selection of traceable raw materials, often enriched with a share of recycled content verified by third parties, in accordance with ISO 17889-1.

The company holds certifications including ISO 14001 for environmental management, ISO 45001 for occupational health and safety, EMAS for eco-compatible management, and ISO 17889-1, which assesses the sustainability of ceramic products from environmental, social, and economic perspectives. Thanks to the synergy between technological innovation, design excellence, and environmental responsibility, Coem creates ceramic surfaces that enhance every space—from private residences to urban architecture—contributing to the quality of living environments through durable, safe, and visually distinctive materials.



Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Coem SpA**
 ADDRESS: **VIA CAMEAZZO, N° 25**
VIA STRADONE SECCHIA, 32 ROTEGLIA DI CASTELLARANO (RE)
FIORANO MODENESE, MODENA 41042
 COUNTRY: **ITALY**

WEBSITE: **https://www.coem.it/**
 CONTACT NAME: **COEM SPA - ELISA TONELLI**
 TITLE: **QHSE MANAGER**
 PHONE: **+39 0536 993 511**
 EMAIL: **elisa.tonelli@coem.it**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity	LAN Land toxicity	PHY Physical hazard (flammable or reactive)
CAN Cancer	MAM Mammalian/systemic/organ toxicity	REP Reproductive
DEV Developmental toxicity	MUL Multiple	RES Respiratory sensitization
END Endocrine activity	NEU Neurotoxicity	SKI Skin sensitization/irritation/corrosivity
EYE Eye irritation/corrosivity	NF Not found on Priority Hazard Lists	UNK Unknown
GEN Gene mutation	OZO Ozone depletion	
GLO Global warming	PBT Persistent, bioaccumulative, and toxic	

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)	LT-P1 List Translator Possible 1 (Possible Benchmark-1)
BM-3 Benchmark 3 (use but still opportunity for improvement)	LT-1 List Translator 1 (Likely Benchmark-1)
BM-2 Benchmark 2 (use but search for safer substitutes)	LT-UNK List Translator Benchmark Unknown
BM-1 Benchmark 1 (avoid - chemical of high concern)	NoGS No GreenScreen.
BM-U Benchmark Unspecified (due to insufficient data)	

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

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.