# Del Conca Porcelain Tiles by Ceramica Del Conca S.p.a

# Health Product Declaration v2.1.1

created via: HPDC Online Builder

**CLASSIFICATION:** Porcelain tile in conformity with ANSI 137.1-2012 and ISO 13006 Annex G group BIa

**PRODUCT DESCRIPTION:** Porcelain stoneware, pressed, water absorption < 0.5%, for floor and wall, for internal and external use.

## 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

*All Substances Above the Threshold Indicated Are:*

**Characterized** ○ Yes Ex/SC ◉ Yes ○ No

*% weight and role provided for all substances.*

**Screened** ○ Yes Ex/SC ◉ Yes ○ No

*All substances screened using Priority Hazard Lists with results disclosed.*

**Identified** ○ Yes Ex/SC ◉ Yes ○ No

*All substances disclosed by Name (Specific or Generic) and 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.

MATERIAL | SUBSTANCE | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE

DEL CONCA PORCELAIN TILES [ SILICA, AMORPHOUS LT-P1 | CAN
SILICA, VITREOUS LT-UNK MULLITE (AL6O5(SIO4)2) LT-UNK ]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... LT-P1

Nanomaterial ... No

**INVENTORY AND SCREENING NOTES:**

Final product, Gres porcelain tiles, are fully vetrified and completely inert by a heat cycle, during which it acquires the mechanical characteristics and chemical and physical inertia properties The high temperatures needed for the desired physical and chemical transformations in the ceramic body are generated. The products are fired at a peak temperature between 1200 °C and 1230 °C for a cycle that lasts between 40 minutes and 2.5 hours. 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: VOC Emission Declaration
LCA: Environmental Product Declaration (EPD)

**CONSISTENCY WITH OTHER PROGRAMS**

No pre-checks completed or disclosed.

Third Party Verified?

- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2019-01-21
PUBLISHED DATE: 2019-01-21
EXPIRY DATE: 2022-01-21

# 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*

## DEL CONCA PORCELAIN TILES

PRODUCT THRESHOLD: 1000 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: Final product, Gres porcelain tiles, are fully vetrified and completely inert by a heat cycle, during which it acquires the mechanical characteristics and chemical and physical inertia properties The high temperatures needed for the desired physical and chemical transformations in the ceramic body are generated. The products are fired at a peak temperature between 1200 °C and 1230 °C for a cycle that lasts between 40 minutes and 2.5 hours. No warnings or hazards are associated with the final, finished product.

OTHER PRODUCT NOTES: No warnings or hazards are associated with the final, finished product.

## SILICA, AMORPHOUS

ID: 7631-86-9

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-21**

%: **58.0000 - 68.0000** GS: **LT-P1** RC: **None** NANO: **No** ROLE: **component of the final product**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| CANCER | Japan - GHS | Carcinogenicity - Category 1A |
| CANCER | Australia - GHS | H350i - May cause cancer by inhalation |

SUBSTANCE NOTES: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.

## SILICA, VITREOUS

ID: 11126-22-0

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-21**

%: **20.0000 - 30.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **component of the final product**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| | No hazards found | |

SUBSTANCE NOTES: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.

## MULLITE (AL6O5(SIO4)2)

ID: 1302-93-8

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2019-01-21**

%: **5.0000 - 15.0000** GS: **LT-UNK** RC: **None** NANO: **No** ROLE: **component in the final product**

| HAZARD TYPE | AGENCY AND LIST TITLES | WARNINGS |
|---|---|---|
| | No hazards found | |

SUBSTANCE NOTES: The final product is fully vetrified, fired at high temperature and no warnings or hazards are associated with it.

# 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 Emission Declaration**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Del Conca Spa, Via Croce 8 47832 S.Clemente (RN)
CERTIFICATE URL:

ISSUE DATE: 2016-05-20

EXPIRY DATE:

CERTIFIER OR LAB: Modena Centro Prove srl

CERTIFICATION AND COMPLIANCE NOTES: Ceramic tiles manufactureb by Del Conca S.p.a are obtained by an industrial thermal process up to 1200°C. They do not contain and release, in the condition of use, any kind of volatile organic compounds to the Credit EQ 4.2 of LEED Buildings Certification.

**LCA** — **Environmental Product Declaration (EPD)**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: DEL CONCA Spa, Via Croce 8 47832 S.Clemente (RN)
CERTIFICATE URL:

ISSUE DATE: 2016-09-26

EXPIRY DATE:

CERTIFIER OR LAB: Institut Bauen und Umwelt e.V. (IBU)

CERTIFICATION AND COMPLIANCE NOTES: This document refers to an average ceramic tile product manufactured by Confindustria Ceramica's member companies. The LCA data were collected in 2014 within the members companies of the association. This study has involved, as primary data 76 companies and 84 plants, that represent 82,6% of the Italian ceramic tiles production. The final results are representative of Confindustria Ceramica's member companies. Declaration number EPD-COI-20160202-ICG1-EN ECO EPD Ref. No. ECO-00000444

# 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.*

**ADHESIVES** — HPD URL: **NO HPD AVAILABLE**

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:
For the products or materials suggested by the manufacturer in this section, please refer to their applicable Health Product Declaration if available.

# Section 5: General Notes

Ceramica del Conca Spa declares that the product, porcelain stoneware , fully complies the requirements reported in the Standard ISO 13006 - Annex G - Group BIa (porcelain stoneware dry pressed with water absorption ≤ 0.5%).

# Section 6: References

## MANUFACTURER INFORMATION


MANUFACTURER: **Ceramica Del Conca S.p.a**
ADDRESS: **Via Croce 8**
**San Clemente Rimini 47832, Italy**
WEBSITE: **www.delconca.com**

CONTACT NAME: **Francesca Borghi**
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PHONE: **+39 0541 988453**
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## 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.*