

CLASSIFICATION: Ceramica Bardelli ZIP porcelain wall & floor tiles

PRODUCT DESCRIPTION: Collection of rectified glazed porcelain tiles, for both floor and wall covering. Tiles are available with plain borders and with moulded edges, in the formats 60x60 cm (24"x24") and 60x120 cm (24"x48"). Both versions present three different colors: ivory white, anthracite black and terracotta. Thanks to the shaping, obtained on the edges of the tile, Zip expands the decorative system incorporating the grout line, making it a creative element as well as joining tiles. Manufactured by Ceramica Bardelli in Italy.

Section 1: Summary

Basic Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format

- Nested Materials Method
- Basic Method

Threshold level

- 100 ppm
- 1,000 ppm
- Per GHS SDS
- Per OSHA MSDS
- Other

Residuals/Impurities

- Considered
- Partially Considered
- Not Considered

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.

Threshold Disclosed Per

- Material
- Product

Explanation(s) provided for Residuals/Impurities?
 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

ZIP [SILICA, AMORPHOUS BM-1 | CAN ALUMINUM OXIDE (AL2O3), CHROMIUM-DOPED NoGS SODIUM OXIDE LT-UNK POTASSIUM OXIDE LT-UNK ANATASE (TIO2) (PRIMARY CASRN IS 1317-70-0) LT-1 | CAN CALCIUM OXIDE (CAO), SOLID SOLN. WITH SILICA, STRONTIUM OXIDE AND ZINC OXIDE, CERIUM AND MANGANESE-DOPED NoGS IRON OXIDE (FE2O3), HYDRATE NoGS PERICLASE (MGO) LT-UNK]

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

Contents highest concern GreenScreen Benchmark or List translator Score ... BM-1
Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This Health Product Declaration applies to Ceramica Bardelli porcelain floor & wall tile collections: Zip, Lines

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: CDPH Standard Method V1.2 (Section 01350/CHPS) - Residential scenario

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
- No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2020-03-24

PUBLISHED DATE: 2020-03-24

EXPIRY DATE: 2023-03-24



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 2.1.1, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-1-1-standard

ZIP

PRODUCT THRESHOLD: Other

RESIDUALS AND IMPURITIES CONSIDERED: Yes

RESIDUALS AND IMPURITIES NOTES: All ingredients have been assessed and verified according to the Safety data Sheet Product Certification, collection ZIP

OTHER PRODUCT NOTES: All ingredients have been assessed and verified according to the Safety data Sheet Product Certification, collection ZIP

SILICA, AMORPHOUS

ID: 7631-86-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-24

#: 60.00 - 75.00

GS: BM-1

RC: PreC

NANO: No

ROLE: Base Material

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	GHS - Japan	Carcinogenicity - Category 1A [H350]
CANCER	GHS - Australia	H350i - May cause cancer by inhalation

SUBSTANCE NOTES: Material for "body"

ALUMINUM OXIDE (AL2O3), CHROMIUM-DOPED

ID: 99328-47-9

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-24

#: 10.00 - 20.00

GS: NoGS

RC: PreC

NANO: No

ROLE: Base Material

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Material for "Body"

SODIUM OXIDE

ID: 1313-59-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library

HAZARD SCREENING DATE: 2020-03-24

#: 2.00 - 5.00

GS: LT-UNK

RC: PreC

NANO: No

ROLE: Base Material

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Material for "Body"

POTASSIUM OXIDE

ID: 37382-43-7

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2020-03-24			
%: 1.50 - 4.00	GS: LT-UNK	RC: PreC	NANO: No	ROLE: Base Material

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Material for "Body"

ANATASE (TIO2) (PRIMARY CASRN IS 1317-70-0)

ID: 12036-20-3

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2020-03-24			
%: 0.50 - 1.50	GS: LT-1	RC: PreC	NANO: No	ROLE: Base Material

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
CANCER	US CDC - Occupational Carcinogens	Occupational Carcinogen
CANCER	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CANCER	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CANCER	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value

SUBSTANCE NOTES: Material for "Body"

CALCIUM OXIDE (CAO), SOLID SOLN. WITH SILICA, STRONTIUM OXIDE AND ZINC OXIDE, CERIUM AND MANGANESE-DOPED

ID: 101357-05-5

HAZARD SCREENING METHOD: Pharos Chemical and Materials Library	HAZARD SCREENING DATE: 2020-03-24			
%: 0.20 - 2.00	GS: NoGS	RC: PreC	NANO: No	ROLE: Base Material

HAZARD TYPE	AGENCY AND LIST TITLES	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

SUBSTANCE NOTES: Material for "Body"

IRON OXIDE (FE2O3), HYDRATE

ID: 12259-21-1

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-03-24**%: **0.20 - 2.00**GS: **NoGS**RC: **PreC**NANO: **No**ROLE: **Base Material**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Material for "Body"****PERICLASE (MGO)**

ID: 1317-74-4

HAZARD SCREENING METHOD: **Pharos Chemical and Materials Library**HAZARD SCREENING DATE: **2020-03-24**%: **0.20 - 2.00**GS: **LT-UNK**RC: **PreC**NANO: **No**ROLE: **Base Material**

HAZARD TYPE

AGENCY AND LIST TITLES

WARNINGS

None found**No warnings found on HPD Priority Hazard Lists**SUBSTANCE NOTES: **Material for "body"**

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

CDPH Standard Method V1.2 (Section 01350/CHPS) - Residential scenario

CERTIFYING PARTY: **Self-declared**

ISSUE DATE: **2020-**

EXPIRY DATE:

CERTIFIER OR LAB: **TCNA**

APPLICABLE FACILITIES: **Ceramica Bardelli**

03-18

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: **LEED Classification: Ceramic wall and floor tiles qualify for LEED V4 credit IEQ 4.3 without any requirements because they are considered 'inherently nonemitting sources'. Text from LEED credit: "Products that are inherently nonemitting sources of VOCs (stone, ceramic, powder-coated metals, plated or anodized metal, glass, concrete, clay brick, and unfinished or untreated solidwood flooring) are considered fully compliant without any VOC emissions testing if they do not include integral organic-based surface coatings, binders, or sealants". VOCs self declaration: Altaeco S.p.A. certifies the absence of VOCs in digital ceramic glazes and inks and can exhibit the supplier certificate for this raw materials.**

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.

No accessories are required for this product.

Section 5: General Notes

Ceramica Bardelli floor porcelain tiles (ZIP, Lines collections) contain up to 9% pre-consumer recycled content.



MANUFACTURER INFORMATION

MANUFACTURER: **altaeco**

ADDRESS: **Via G Pascoli 4**

Vittuone Milano 20080, Italy

WEBSITE: **www.ceramicabardelli.com**

CONTACT NAME: **Andrea Martelli**

TITLE: **CMO**

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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 (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.