HPD

CERTIFICATION

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MARSAI COLLECTION

Ceramiche Refin
by CERAMICHE REFIN

Health Product Declaration v2.3
created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 1093219328
CLASSIFICATION: 09 30 13 Ceramic Tiling
PRODUCT TYPE: Ceramic (Tile)
PRODUCT DESCRIPTION: We are an Italian company and we are active on the international markets since 1962. We are part of Gruppo Concorde, a world's leading group in the ceramic industry sector. Our brand purpose is to embellish living spaces around the world with the beauty and emotion of Italian design while respecting the goals of our stakeholders, society and the environment we live in. We believe that true sustainability can exist only when a company has a positive impact on all the areas it operates in. For this reason, our internal management system listens to people's needs and respects the society and environment around us. We provide the world of architecture and interior design with a wide range of porcelain stoneware solutions. We are able to satisfy even the most complex needs of our customers while guaranteeing the quality of our products and all related elements of health and safety. Our laboratory is the beating heart of our company and we stand out in the market thanks to our unique and creative approach. We believe that the synergy between technological innovation and artisan experimentation is the key to develop a Made in Italy product of the highest aesthetic and technical quality.

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

CERAMICHE REFIN [CLAY NoGS FELDSPAR POWDER NoGS SAND NoGS FRITS, CHEMICALS (UNLEADED) LT-P1 MUL]

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

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

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

The final product (ceramic porcelain tiles and slabs for floor and walls, for internal and external use) are inert and fully vitrified. Ceramic porcelain tiles are fired at high temperature (1225°c or 2237°F)

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
ISO 17889-1:2021: ISO 17889-1:2021
Products evaluation in conformity with LEED v4.1 Building Design and costruction: LEED RATING ASSESMENT FOR CERAMICHE REFIN TILES AND SLABS
Assesment of Ceramiche Refin tiles and slabs in conformity with WELL BUILDING STANDARD V2: WELL RATING ASSESMENT FOR CERAMIC TILES AND SLABS

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?
- ○ Yes
- ◉ No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2024-02-08
PUBLISHED DATE: 2024-02-08
EXPIRY DATE: 2027-02-08

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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

CERAMICHE REFIN

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

RESIDUALS AND IMPURITIES NOTES: 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 whit the final, finished product.

OTHER PRODUCT NOTES:

CLAY — ID: 1302-87-0

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-08 3:19:24**

%: **35.0000 - 45.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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:

FELDSPAR POWDER — ID: 12168-80-8

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-08 3:20:40**

%: **20.0000 - 40.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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:

SAND — ID: 308075-07-2

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-08 3:21:20**

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%: **15.0000 - 25.0000** GreenScreen: **NoGS** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

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:

FRITS, CHEMICALS (UNLEADED) ID: **65997-18-4**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2024-02-08 3:22:07**

%: **1.0000 - 6.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Structure component**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters

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**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: Ceramiche Refin
CERTIFICATE URL:
ISSUE DATE: 2024-02-08 00:00:00
EXPIRY DATE:
CERTIFIER OR LAB: None
CERTIFICATION AND COMPLIANCE NOTES:

ISO 17889-1:2021 — **ISO 17889-1:2021**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Ceramiche Refin, Via I Maggio, 22-42013 Casalgrande (RE)- Italy
CERTIFICATE URL:
ISSUE DATE: 2022-03-07 00:00:00
EXPIRY DATE: 2025-03-06 00:00:00
CERTIFIER OR LAB: Certified by DNV Bussines Assurrance Italy Srl Via Energy Park,14,20871 Vimercate (MB) Italy
CERTIFICATION AND COMPLIANCE NOTES: C513094

PRODUCTS EVALUATION IN CONFORMITY WITH LEED V4.1 BUILDING DESIGN AND COSTRUCTION — **LEED RATING ASSESMENT FOR CERAMICHE REFIN TILES AND SLABS**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Ceramiche Refin, Via I Maggio, 22-42013 Casalgrande (RE)- Italy
CERTIFICATE URL:
ISSUE DATE: 2018-09-17 00:00:00
EXPIRY DATE: 2024-09-17 00:00:00
CERTIFIER OR LAB: DNV DET NORSKE VERITAS
CERTIFICATION AND COMPLIANCE NOTES: Certificato No./Certificate No. : 13198-2018-PC-ITA-DNV Rev.4.0

ASSESMENT OF CERAMICHE REFIN TILES AND SLABS IN CONFORMITY WITH WELL BUILDING STANDARD V2 — **WELL RATING ASSESMENT FOR CERAMIC TILES AND SLABS**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Ceramiche Refin, Via I Maggio, 22-42013 Casalgrande (RE)- Italy
CERTIFICATE URL:
ISSUE DATE: 2021-10-28 00:00:00
EXPIRY DATE: 2024-10-27 00:00:00
CERTIFIER OR LAB: DNV DET NORSKE VERITAS
CERTIFICATION AND COMPLIANCE NOTES: Certificato No.: 10000429931- PA - DNV GL- ITA rev.0

SAFETY AND HEALT HAZARDS — **SAFETY DATA SHEET**

CERTIFYING PARTY: Self-declared
APPLICABLE FACILITIES: Ceramiche REFIN. Via I Maggio,22,42013, Casalgrande (RE), ITALY
CERTIFICATE URL:
ISSUE DATE: 2019-07-10 00:00:00
EXPIRY DATE:
CERTIFIER OR LAB: None
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.

LAYING, USE, CLEANING AND MAINTENANCE MANUAL
MANUFACTURER (OR GENERIC): **Ceramiche Refin**

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HPD URL: https://www.refin-ceramic-tiles.com/porcelain-tiles/cleaning-and-maintenance/
ACCESSORY TYPE: Cleaning Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Laying, use, cleaning and maintenance manual

LAYING, USE, CLEANING AND MAINTENANCE MANUAL
MANUFACTURER (OR GENERIC): **Ceramiche Refin**

HPD URL: https://www.refin-ceramic-tiles.com/porcelain-tiles/cleaning-and-maintenance/
ACCESSORY TYPE: Maintenance Product
CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES: Laying, use, cleaning and maintenance manual

Section 5: General Notes

ISO 13006 Ceramic Tiles - Definition, classification, characteristics and marking
TERMS AND DEFINITIONS: 1) 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, then dried and subsequently fired at temperature sufficient to develop the required properties. Tiles may be glazed (GL) or unglazed (UGL); they are incombustible and are not effected by light. 2) PORCELAIN TILE: fully vitrified tile with water absorption coefficient less or equal to a mass fraction of 0.5%, belonging to group BIa.

COMPANY PROFILE:
https://www.refin.it/

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Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **CERAMICHE REFIN**
ADDRESS: **Via I Maggio, 22-42013 Casalgrande (RE)- Italy**
Casalgrande, Reggio Emilia 42013
COUNTRY: **Italy**

WEBSITE: **www.refin.it**
CONTACT NAME: **Mr**
TITLE: **Mr**
PHONE: **+390522990499**
EMAIL: **info@refin.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
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

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 (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown
NoGS No GreenScreen.

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

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