

CLASSIFICATION: 09 30 13 Finishes: Ceramic Tiling

PRODUCT DESCRIPTION: Ceramicas Aparici & Apavisa Porcelanico (Aparici Group) manufacture high-end, innovative and quality design ceramic and porcelain tiles. This family business has, since 1961, acted as a driving force for the developments and trends of an entire industry. The products manufactured by Aparici and Apavisa are dry-pressed ceramic tiles in a wide range of sizes, shapes and colors. These products are fired at high temperatures (>1100°C) which result in a sintered, inert final product resistant to stains, fire and bending which do not release volatile organic substances (VOC) or any other pollutants. Ceramic tiles are easy to maintain, as well as, resistant over time, non-absorbent (>0,5%), frost-proof, and make a great choice to cover floors and walls thanks to the variety of designs and finishes.

Section 1: Summary

Nested Method / Material 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

Residuals/Impurities Considered in 0 of 5 Materials

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](#)

[CLAY FELDSPAR SAND GLAZE INK](#)

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

Contents highest concern GreenScreen Benchmark or List translator Score ... UNK

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

"Ceramic" is not screened by HPD Collaborative because it is regarded as a special condition. Tiles are fired at very high temperatures hence any organics that might be present in clays or binders are completely burned away. As a result, the final product is inert and no VOCs can be emitted.

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 Declaration

VOC content: VOC Content Declaration

Management: ISO 9001:2015 Quality management systems

Management: ISO 14001:2015 Environmental Management Systems

CONSISTENCY WITH OTHER PROGRAMS

No pre-checks completed or disclosed.

Third Party Verified?

- Yes
 No

PREPARER: Self-Prepared

VERIFIER:

VERIFICATION #:

SCREENING DATE: 2019-10-10

PUBLISHED DATE: 2019-10-11

EXPIRY DATE: 2022-10-10



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

CLAY

#: 35.00 - 50.00

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: APARICI GROUP Ceramic Tiles are sintered in the kiln firing process between 1100°C and 1200°C. Temperature at which the raw materials result in a single component thanks to this vitrification process. Hence, the final product, does not contain or release any kind of Volatile Organic Compounds or waste.

OTHER MATERIAL NOTES: This raw material is considered as non-hazardous. All substances in this material are below the reportable threshold.

FELDSPAR

#: 35.00 - 50.00

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: APARICI GROUP Ceramic Tiles are sintered in the kiln firing process between 1100°C and 1200°C. Temperature at which the raw materials result in a single component thanks to this vitrification process. Hence, the final product, does not contain or release any kind of Volatile Organic Compounds or waste.

OTHER MATERIAL NOTES: This raw material is considered as non-hazardous. All substances in this material are below the reportable threshold.

SAND

#: 5.00 - 10.00

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: APARICI GROUP Ceramic Tiles are sintered in the kiln firing process between 1100°C and 1200°C. Temperature at which the raw materials result in a single component thanks to this vitrification process. Hence, the final product, does not contain or release any kind of Volatile Organic Compounds or waste.

OTHER MATERIAL NOTES: This raw material is considered as non-hazardous. All substances in this material are below the reportable threshold.

GLAZE

#: 0.00 - 5.00

MATERIAL THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES CONSIDERED: No

RESIDUALS AND IMPURITIES NOTES: APARICI GROUP Ceramic Tiles are sintered in the kiln firing process between 1100°C and 1200°C. Temperature at which the raw materials result in a single component thanks to this vitrification process. Hence, the final product, does not contain or release any kind of Volatile Organic Compounds or waste.

OTHER MATERIAL NOTES: This raw material is considered as non-hazardous. All substances in this material are below the reportable threshold.

MATERIAL THRESHOLD: **100 ppm**

RESIDUALS AND IMPURITIES CONSIDERED: **No**

RESIDUALS AND IMPURITIES NOTES: **APARICI GROUP Ceramic Tiles** are sintered in the kiln firing process between 1100°C and 1200°C. Temperature at which the raw materials result in a single component thanks to this vitrification process. Hence, the final product, does not contain or release any kind of Volatile Organic Compounds or waste.

OTHER MATERIAL NOTES: **This raw material is considered as non-hazardous. All substances in this material are below the reportable threshold.**

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 Declaration

CERTIFYING PARTY: **Self-declared**
ISSUE DATE: **2019-10-10** EXPIRY DATE: **2022-10-10** CERTIFIER OR LAB: **Self-declared by the manufacturer**
APPLICABLE FACILITIES: **CERAMICAS APARICI, S.A. and APAVISA PORCELANICO, S.A.**

CERTIFICATE URL:

CERTIFICATION AND COMPLIANCE NOTES: Ceramic tiles are products that are inherently non-emitting sources of VOCs which are therefore considered fully compliant without any VOC emissions testing needed. They meet LEED qualifications and are also considered under the special conditions group by the HPD Collaborative which do not require VOC testing.

VOC CONTENT

VOC Content Declaration

CERTIFYING PARTY: **Self-declared**
ISSUE DATE: **2019-10-10** EXPIRY DATE: **2022-10-10** CERTIFIER OR LAB: **Self-declared by the manufacturer**
APPLICABLE FACILITIES: **CERAMICAS APARICI, S.A. and APAVISA PORCELANICO, S.A.**

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CERTIFICATION AND COMPLIANCE NOTES: Ceramic tiles are products that are inherently non-emitting sources of VOCs which are therefore considered fully compliant without any VOC emissions testing needed. They meet LEED qualifications and are also considered under the special conditions group by the HPD Collaborative which do not require VOC testing.

MANAGEMENT

ISO 9001:2015 Quality management systems

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2016-09-11** EXPIRY DATE: **2019-12-24** CERTIFIER OR LAB: **European Quality Assurance Spain, S.L. (EQA)**
APPLICABLE FACILITIES: **CERAMICAS APARICI, S.A. and APAVISA PORCELANICO, S.A.**

CERTIFICATE URL:

https://www.aparici.com/almacen/CT/CT-ISO%209001_2015-UKAS-EN%20-%20CERAMICAS%20APARICI.pdf

CERTIFICATION AND COMPLIANCE NOTES: The ISO 9001 is the international standard that specifies requirements for a quality management system (QMS). Organizations use the standard to demonstrate the ability to consistently provide products and services that meet customer and regulatory requirements.

MANAGEMENT

ISO 14001:2015 Environmental Management Systems

CERTIFYING PARTY: **Third Party**
ISSUE DATE: **2016-09-11** EXPIRY DATE: **2019-12-24** CERTIFIER OR LAB: **European Quality Assurance Spain, S.L. (EQA)**
APPLICABLE FACILITIES: **CERAMICAS APARICI, S.A. and APAVISA PORCELANICO, S.A.**

CERTIFICATE URL:

https://www.aparici.com/almacen/CT/CT-ISO%2014001_2015-UKAS-EN%20-%20CERAMICAS%20APARICI

CERTIFICATION AND COMPLIANCE NOTES: The ISO 14001 is the international standard that specifies requirements for an

effective environmental management system (EMS). It provides a framework that an organization can follow, rather than establishing environmental performance requirements.

MULTI-ATTRIBUTE

Environmental Product Declaration (EPD)

CERTIFYING PARTY: **Third Party**

APPLICABLE FACILITIES: **CERAMICAS APARICI, S.A. and APAVISA**

PORCELANICO, S.A.

CERTIFICATE URL:

https://www.aparici.com/almacen/EPD/Ceramicas%20Aparici_Bla_EPD.pdf

ISSUE DATE:

2014-12-

10

EXPIRY DATE:

2019-12-10

CERTIFIER OR LAB:

Instituto de

Tecnología

Cerámica (ITC)

CERTIFICATION AND COMPLIANCE NOTES: **An Environmental Product Declaration (EPD) is an independently verified and registered document that communicates transparent and comparable information about the life-cycle environmental impact of products.**

RECYCLED CONTENT

Leed Green Building Certification System

CERTIFYING PARTY: **Self-declared**

APPLICABLE FACILITIES: **CERAMICAS APARICI, S.A.**

and APAVISA PORCELANICO, S.A.

CERTIFICATE URL:

ISSUE DATE: **2014-12-**

10

EXPIRY DATE: **2019-**

12-10

CERTIFIER OR LAB: **Self-declared**

by the manufacturer with the

help of Instituto de

Tecnología Cerámica (ITC)

CERTIFICATION AND COMPLIANCE NOTES: **SELF-DECLARED ENVIRONMENTAL CLAIM, according to ISO 14021. LEED (Leadership in Energy and Environmental Design) is an ecology-oriented building certification program run under the auspices of the U.S. Green Building Council (USGBC). LEED concentrates its efforts on improving performance across five key areas of environmental and human health: energy efficiency, indoor environmental quality, materials selection, sustainable site development and water savings.**

+ 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.

VENTILATED FACADES AND BONDED FACADES WITH MECHANICAL ANCHORAGE

HPD URL: [https://www.aparici.com/wp-](https://www.aparici.com/wp-content/uploads/2018/05/fa%C3%A7ade-systems.pdf)

[content/uploads/2018/05/fa%C3%A7ade-systems.pdf](https://www.aparici.com/wp-content/uploads/2018/05/fa%C3%A7ade-systems.pdf)

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The Ventilated Facade system is an exterior cladding system for buildings offering a combination between the maximum level of aesthetic appeal and technical advantages for any new building or renovation. TYPES OF SYSTEMS Visible system: The anchorage of the material by mounting clips, causes it to be visible from the outside. This system does not require any manipulation of the pieces. Hidden system: The anchorage takes place by using the side grooves that have to be made on the profiles of every piece of porcelain in order for the clips not to be seen from the outside. The Bonded Facade system upgrades the appearance of facades as they provide a modern and innovative appearance that will be durable in time due to the use of our high-end technical porcelain. Currently, there are adhesives that enable an optimum bonding on the facade, however, in order to ensure maximum security, it is important to use a safety mechanical anchorage system that may be visible or hidden.

WATER JET

HPD URL: [https://www.aparici.com/wp-](https://www.aparici.com/wp-content/uploads/2018/03/water-jet-cutting.pdf)

[content/uploads/2018/03/water-jet-cutting.pdf](https://www.aparici.com/wp-content/uploads/2018/03/water-jet-cutting.pdf)

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

In order to create custom floor designs, usually including borders and center pieces, combining different collections we use the Water Jet system. The Water Jet system is based on a tool that is capable of slicing into porcelain tiles using a water jet at a high speed and pressure, or a mixture of water and an abrasive substances. The process is essentially the same as water erosion found in nature but accelerated and concentrated by orders of magnitude. Water Jet cutters are capable of producing rather intricate cuts in porcelain tiles, in other way impossible to obtain. The advantages of this system go beyond the final visual results.

DIGITAL PRINTING

HPD URL: <https://www.aparici.com/wp-content/uploads/2018/01/ bespoke-digital-printing.pdf>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The digital printing system is a process of decorating ceramic pieces using an ink-jet application to enable the development of high quality photo reproductions (including images, drawings, text, logos, etc...), maintaining the high technical characteristics of our ceramic products. With our special decoration system, as a result, we can offer pieces of a greater realism due to the fact that it can achieve higher printing resolutions. Another advantage of this system is the ecological aspect, since by using only four colors (CMYK), the number of materials used in the production are substantially reduced, thereby reducing the extraction of these materials and its environmental impact.

3-DIMENSIONAL TILES

HPD URL: <https://www.aparici.com/wp-content/uploads/2017/10/3d-porcelain.pdf>

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

Following our innovative technique involving the curvature of porcelain, Aparici can create a variety of three dimensional shapes in different formats, colours and finishes that will be custom for every project regardless the quantity. Contact our commercial network to study the possibility of selecting one of our exclusive 3D Concept pieces and receive further information.

2CM PORCELAIN COLLECTIONS

HPD URL: https://www.aparici.com/wp-content/uploads/2017/10/2cm_abril.pdf

CONDITION WHEN RECOMMENDED OR REQUIRED AND/OR OTHER NOTES:

The new 2CM Porcelain Stoneware Slabs are ideal for outdoor pavings, including raised pavings. Hard-wearing and resistant to thermal shock, loads and stresses, our 2CM porcelain stoneware is highly suitable for paving terraces and balconies; and also for laying paths in outdoor areas. The perfect alternative to wood and stone that will remain absolutely unchanged over time. All 2CM collections feature the matching 10mm porcelain tiles for indoor use in order to enable the possibility of creating unbroken visual continuity between outdoor and indoor spaces in any residential or commercial space. The indoor tile formats available include sizes 50x100cm, 100x100cm, 25x100cm and 60x60cm depending on the collection.

Section 5: General Notes

Do not hesitate to ask for any further information needed. All technical documents are available under request and can also be found on the following websites: <https://www.aparici.com/> - <https://apavisa.com/en/>.



MANUFACTURER INFORMATION

MANUFACTURER: **APARICI GROUP (APAVISA PORCELANICO, S.L. & CERAMICAS APARICI, S.A.)**
 ADDRESS: **Ctra. Castellón - Alcora, km 12**
L'Alcora Castellón 12110, Spain
 WEBSITE: **https://www.aparici.com/ and https://apavisa.com/en/**

CONTACT NAME: **Belén Monterde**
 TITLE: **Quality Manager**
 PHONE: **0034964701010**
 EMAIL: **belen.monterde@apavisa.com**

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

GreenScreen (GS)

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