

FloorScore®

2020 Initial Certification Assessment

SCS Environmental Certification Services

Prepared for:

PAMESA CERAMICA, SA

Porcelain Tile

Manufactured in Almazora, Castellon, Spain

Project Work Order: #PAM-19-01

April 17, 2020



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FloorScore® Initial Certification Assessment

SCS Global Services, Environmental Certification Services completed an initial FloorScore® certification assessment of Pamesa's Porcelain Tile products manufactured in Almazora Castellon Spain. The lead auditor has completed a full assessment of the quality management assessment of each manufacturing site and product emissions review to determine conformance to SCS EC 10.3–2014 V4.0 Indoor Air Quality Performance Standard and CDPH/EHLB Standard Method v1.2 (effective April 1, 2017). The results of the assessment are included within this assessment report.

This certification assessment has been completed in accordance with SCS' quality management system, ISO 19011 standard auditing practices, ISO/IEC 17065 and has been approved by the program manager. If there is a disagreement with the certification decision, please contact the program manager directly.



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EXECUTIVE SUMMARY

ASSESSMENT SCOPE

Pamesa's Porcelain Tile assessment scope is detailed in the work order PAM-19-01. A change of scope was necessary to correct the name of the company to Pamesa Ceramica, SA.

INFORMATION ADDED	INFORMATION REMOVED
Company Name; Pamesa Ceramica, SA	Company Name; Pamesa Ceramica, S.L.

The auditor notes that no information or passing testing results have been received for the Tau Ceramica Onda site. Therefore, this certification will only pertain to products manufactured at the Pamesa Ceramica Almazora, Spain site. All products manufactured at the Tau Ceramica Onda, Spain site are not currently permitted to carry the FloorScore logo until required documentation is received. Please refer to the New Information Requests (NIRs) that have been issued in order to include products from the Tau Ceramica Onda site to the certification scope.

INDOOR AIR QUALITY CERTIFICATION SUMMARY

The following table details the conformance for products that have met FloorScore® product certification requirements. Products that have met FloorScore® certification also comply with the following criteria: USGBC LEED 2008, 2009 and v4 for Low-Emitting Materials (Flooring); Collaborative for High Performance Schools (CHPS) 2009 Criteria, EQ2.2.3; ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, Section 8.4.2.3: Floor Covering Materials; BREEAM International and BREEAM UK; Green Guide for Health Care 2.2 EP 3.3 and EQ 4.3; and WELL Building Standard 4.3.a: Air.

PRODUCT CATEGORY	PRODUCT LINE(S)	QUALIFICATIONS	CERTIFICATE NUMBER	CERTIFICATION PERIOD
Porcelain Tile	Azulejos Foset, Ceramic Tile International slú, Geologica Tile, Navarti, Pamesa Ceramica, Tau Ceramica	TVOC Range: 0.5 mg/m ³ or less	SCS-FS-06088	April 17, 2020 – April 30, 2021

PRODUCT CONFORMANCE SUMMARY

The following table indicates if a Non-Conformance Report (NCR) / Opportunity for Improvement (OFI) /New Information Request (NIR) is issued based on deficiencies found in the documentation or other supplemental information provided to meet both CDPH/EHLB Standard Method v1.2 and the Quality Management System requirements. All NCRs must be closed before certification may be issued.

NCR/ OFI/ NIR-#	STANDARD REQUIREMENT	AUDITOR FINDINGS	DUE DATE	STATUS
NIR-19-01	SCS-EC10.3-2014 V4.0-Section 6.6	The Onsite Audit for both sites have not yet been conducted due to auditor availability and travel restrictions due to COVID-19. The onsite audit will be scheduled once it is safe to resume travel.	April 30, 2021	Open
OFI-19-01	SCS-EC10.3-2014 V4.0-Section 6.2	The samples for the Almazora site were collected more than 24 hours after production.	April 30, 2021	Open
NIR-19-02	SCS-EC10.3-2014 V4.0-Section 6.2	Testing of product manufactured at Tau (Onda) has not been submitted.	June 30, 2020	Open
NIR-19-03	SCS-EC10.3-2014 V4.0-Section 6.5	All Quality Management documents for the Tau (Onda) site have not yet been submitted.	May 31, 2020	Open

MANUFACTURING SITE ASSESSMENT SUMMARY

The table below indicates the entire scope of onsite audits to be conducted during the initial certification year. The Lead Auditor will continue to work with the client to schedule the required onsite audits for the following sites:

MANUFACTURING SITE	TO BE COMPLETED BY	STATUS OF NCR/NIR	AUDITOR RATIONALE
Pamesa Ceramica Almazora Castellon Spain	April 30, 2021	Open NIR-19-01	The Onsite Audit for both sites have not yet been conducted due to auditor availability and travel restrictions due to COVID-19. The onsite audit will be scheduled once it is safe to resume travel.
Tau Ceramica Onda-Castellon, Spain			

1.0 Product Assessment

The following tables provide a progressive review on how products were selected to represent the emission profile for the product category, actual emissions results, and overall product certification results.

1.1 PRODUCT TESTING SAMPLE SELECTION

The following product sample selection is based on the product formulations, ingredients/materials, production processes and known production variability.

PRODUCT LINE	PRODUCT MODEL/ SKU NUMBER	AUDITOR RATIONALE
Pamesa Ceramica	Koncept Gris	According to the DRF the 11.5mm is the thickest product in the range and therefore represents the worst-case scenario.
Pamesa Ceramica	Cromat Perla	

1.2 PRODUCT EMISSIONS RESULTS

The table below summarizes the product emissions results for the individual volatile organic compounds (VOCs) tested for compliance to California Specification 01350 (Standard Method v1.2, effective April 1, 2017) private office and school classroom parameters when modeled as flooring.

1.2.1 PORCELAIN TILE

PRODUCT LINE	LAB REPORT NUMBER AND DATE	CREL VOCs	EF ($\mu\text{g}/\text{m}^2$) at 96hrs	PRIVATE OFFICE* RESULTS	SCHOOL CLASSROOM** RESULTS	TVOC RANGE
Koncept Gris	392-2020-00054701 - 3/3/2020	Not Detected	-	PASS	PASS	
Koncept Gris	392-2020-00054701 - 3/3/2020	TVOC	-	-	-	0.5 mg/m ³ or less
Cromat Perla	392-2020-00054702 - 3/3/2020	Not Detected	-	PASS	PASS	
Cromat Perla	392-2020-00054702 - 3/3/2020	TVOC	-	-	-	0.5 mg/m ³ or less

*Key modeling parameters for the private office scenario include an air flow rate of 20.7 m³/hr and flooring surface area of 11.15m².

**Key modeling parameters for the school classroom scenario include an air flow rate of 191 m³/hr and a flooring surface area of 89.2m².

The results for Pamesa Ceramica’s Porcelain Tile products manufactured in Almazora Castellon Spain demonstrate that all 35 targeted CREL VOCs listed in CDPH/EHLB Standard Method V1.2 are not detected. Therefore, these products are considered of **Minimal Concern**. The TVOC results also demonstrate a TVOC range of 0.5 mg/m³ or less.

1.3 STANDARD PRODUCT SAMPLING, PACKAGING, TESTING REQUIREMENTS

The table below is a checklist of the standard requirements for product testing and report results according to CDPH/EHLB Standard Method V1.2 and SCS EC10.3-2014 V4.0.

REQUIREMENT	SUPPORTING DOCUMENTATION	AUDITOR KEY FINDINGS	ASSESSMENT RESULT
Laboratory is a qualified ISO 17025 certified laboratory. [Reference: SCS-EC10.3-2014 V4.0-Section 6.3.2]	392-2020-00054701_H.pdf 392-2020-00054702_H.pdf	The sample was tested by Eurofins, an ISO 17025 certified lab.	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input type="checkbox"/> OFI
The manufacturer has submitted results in accordance with CDPH/EHLB Standard Method V1.2. [Reference: SCS-EC10.3-2014 V4.0-Section 6.3]	392-2020-00054701_H.pdf 392-2020-00054702_H.pdf	Results have been submitted in accordance with CDPH/EHLB Standard Method V1.2.	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input type="checkbox"/> OFI
Samples for testing are selected by a SCS auditor or a person authorized by SCS. [Reference: SCS-EC10.3-2014 V4.0-Section 6.2]	RE_ Pamesa testing.msg	The sample was selected by the auditor and collected by the client.	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input type="checkbox"/> OFI
The samples are selected from a production lot that is representative of the processes and quality the manufacturer intends to present to the market. [Reference: SCS-EC10.3-2014 V4.0-Section 6.2.4]	392-2020-00054701_H.pdf 392-2020-00054702_H.pdf Chain of Custody form	The sample selected is representative of the finished product intended for the market.	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input type="checkbox"/> OFI
Manufacturer has submitted their nominations for test groups and worst case models accompanied by supportive data in the form of calculations, test results, formulations, and written explanation. [Reference: SCS-EC10.3-2014 V4.0-Section 6.2]	Pamesa_FS 2019 InitialDRF_auditor.xlsx	The client has submitted their product line and samples that are 11.5mm are considered the worst case scenario because they are the thickest.	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input type="checkbox"/> OFI

Samples submitted to the laboratory are in conformance with CDPH/EHLB Standard Method V1.2. [Reference: SCS-EC10.3-2014 V4.0-Section 6.2]	392-2020-00054701_H.pdf 392-2020-00054702_H.pdf Chain of Custody form	OFI-19-01 The samples were collected more than 24 hours after production.	<input type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input checked="" type="checkbox"/> OFI
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2.0 QUALITY MANAGEMENT SYSTEM

The table below includes an initial review of the manufacturer's Quality Management System of the sites which have not yet been audited. The required initial onsite audit will be coordinated with the Lead Auditor and client during the initial certification year.

2.1 PAMESA CERAMICA SA, CAMINO ALCORA S/N 12550 ALMAZORA-CASTELLON

REQUIREMENT	SUPPORTING DOCUMENTATION	AUDITOR KEY FINDINGS	CONFORMANCE ISSUE
QMS Certification Valid ISO 9001 or comparable certification was submitted (if applicable) [Reference: SCS-EC10.3-2014 V4.0 Section 6.5]	ISO 9001.pdf	The client is ISO 9001 certified	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
Internal/External Audits Evidence of no outstanding NCRs were provided. [Reference: SCS-EC10.3-2014 V4.0 Section 6.5]	P-02 Auditorías Internas.pdf Summary of Pamesa supporting docs.docx	The client has provided an example of an internal audit with no outstanding findings.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
Production Flow Chart [Reference: SCS-EC10.3-2014 V4.0 Section 6.5]	Page 9 of MANUAL DE CALIDAD-MONTROY.pdf	The client has provided a flow chart of production	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
Production Variability [Reference: SCS-EC10.3-2014 V4.0-Section 6.5]	P-03 Gestión de no conformidades y acciones correctivas.pdf Summary of Pamesa supporting docs.docx	The client has provided a control procedure to address variability in the product.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
Product Line Identification and Traceability [Reference: SCS-EC10.3-2014 V4.0-Section 6.5]	R_P20_01 código de barras.jpg	Client has provided evidence of a traceability system that can be used to address product conformance.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR

Production Control [Reference: SCS-EC10.3-2014 V4.0-Section 6.5]	P-06 Satisfacción del cliente.pdf Summary of Pamesa supporting docs.docx	The client has provided a written procedure of how production is controlled and addressed through customer complaints.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
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APPENDIX

A.1 Renewal Audit Recommendations

A.1.1 Sample Selection

The following table represents suggested sample selections for renewal emissions testing for the certified products. The frequency and required number of samples is dependent on the quality management systems review per manufacturing site and emissions history review completed during each renewal assessment by the auditor.

PRODUCT LINE	PRODUCT MODEL/SKU NUMBER	Renewal YEAR	AUDITOR RATIONALE
Pamesa Ceramica	11.5mm	2024	The results for Pamesa Ceramica's Porcelain Tile products manufactured in Almazora Castellon Spain demonstrate that all 35 targeted CREL VOCs listed in CDPH/EHLB Standard Method V1.2 are not detected. Therefore, these products are considered of Minimal Concern and require renewal testing every four years.