

FloorScore®

2023 Initial Certification Assessment

SCS Environmental Certification Services

Prepared for:

Jiangsu fuertai New Material Technology Co, Ltd

Vinyl Tile Flooring

*Manufactured by Jiangsu fuertai New Material Technology Co, Ltd
205 Jiyidu Hedong, yizhuang Village, Guanlin Town, Yixing City,
Jiangsu Province, China*

Project Work Order: #JFNM-22-11

March 2, 2023



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FloorScore® Initial Certification Assessment

SCS Global Services, Environmental Certification Services completed an initial FloorScore certification assessment of Jiangsu fuertai New Material Technology Co, Ltd's Vinyl Tile Flooring products manufactured in 205 Jiyidu Hedong, yizhuang Village, Guanlin Town, Yixing City, Jiangsu Province, China. 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 Indoor Air Quality Performance Standard and CA 01350 (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/quality manager directly.

Authorized Signatures

AUDITOR INFORMATION			
Lead Auditor Name	Wang Chuan, Auditor wangchuan@woodbasedpanel.com +86 13641135010	Date	Mar 2, 2023
SCS FINAL REVIEWER SIGNATURE			
SCS Decision Maker	Rob Emelander, Program Manager remelander@scsglobalservices.com +1.616.502.6090		
Signature		Date	March 2, 2023

EXECUTIVE SUMMARY

ASSESSMENT SCOPE

Jiangsu fuertai's Vinyl Tile Flooring assessment scope is detailed in the work order JFNM-22-11.

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
Vinyl Tile Flooring	Stone Plastic Composite Flooring (Maximum thickness: 7mm); Stone Plastic Composite Flooring with pad (Maximum thickness: 8mm)	TVOC Range: 0.5 mg/m ³ or less	SCS-FS-08727	March 2, 2023 to March 31, 2024

PRODUCT ASSESSMENT 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 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-1	SCS-EC10.3-2014 Section 6.6	Due to limited business travel by COVID-19, the onsite audits required for initial certification were not able to be scheduled prior to issuing certification. The auditor will work with the client to ensure that the first audit is scheduled within the initial year of certification.	Before FloorScore certificate expires	Open

MANUFACTURING ONSITE AUDIT 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
205 Jiyidu Hedong, yizhuang Village, Guanlin Town, Yixing City, Jiangsu Province, China	Before FloorScore certificate expires	See NIR above	Due to limited business travel by COVID-19, the onsite audits required for initial certification were not able to be scheduled prior to issuing certification. The auditor will work with the client to ensure that the first audit is scheduled within the initial year of certification.

1.0 Product Category(ies) 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 CATEGORY	MANUFACTURING SITE	PRODUCT LINE	PRODUCT MODEL/SKU NO.	SUPPORTING DOCUMENTATION	AUDITOR RATIONALE
Vinyl Tile Flooring	Yixing City, China	Stone Plastic Composite Flooring with pad/ 8mm	FET916-10	Date Request Form	The products have the same formulation and ingredient in the product group. So the worst case was selected based on the thickness of product.

1.2 PRODUCT EMISSIONS RESULTS

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

1.2.1 Vinyl Tile Flooring

MANUFACTURING SITE	PRODUCT LINE	LAB REPORT NUMBER AND DATE	CREL VOCs	EF ($\mu\text{g}/\text{m}^2$) at 96 hrs	PRIVATE OFFICE* RESULTS	SCHOOL CLASSROOM** RESULTS	TVOC RANGE
Yixing City, China	Stone Plastic Composite Flooring with pad/ 8mm	244464160a 001/ 221220	Not Detected	-	PASS	PASS	-

Yixing City, China	Stone Plastic Composite Flooring with pad/ 8mm	244464160a 001/ 221220	TVOC	475.00	-	-	0.5mg/m ³ or less
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The results for Jiangsu fuertai’s Vinyl Tile Flooring products manufactured in Yixing City, China demonstrate that all 35 targeted CREL VOCs listed in the Standard Method V1.2 are below 70% of the maximum allowable limits. Therefore, these products are considered **Low Priority**. Low Priority products require renewal testing every two years after the last certification. The TVOC results also demonstrate a TVOC range of 0.5 mg/m³ or less.

1.3 Lab Testing Requirements

The table below is a checklist of the standard requirements for product testing and report results according to CA 01350 (Standard Method v1.2) and SCS EC10.3-2014.

REQUIREMENT	SUPPORTING DOCUMENTATION	AUDITOR KEY FINDINGS	ASSESSMENT RESULT
Laboratory is a qualified ISO 17025 certified laboratory. [Reference: SCS-EC10.3-2014-Section 6.3.2]	244464160a 001	The sample was tested by TUV, 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-Section 6.3]	244464160a 001	Results have been submitted in accordance with CDPH/EHLB Standard Method V1.2. Please see the attachment.	<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-Section 6.2]	DRF	The sample was collected by Gong Yongqiang and packaged by 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-Section 6.2.4]	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-Section 6.2]	DRF	The products have the same formulation and ingredient in the product group. So the worst case was selected based on the thickness of product.	<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-Section 6.2]	Chain of custody form	The samples were submitted in conformance with CDPH/EHLB Standard Method V1.2. Please see the attachment.	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input type="checkbox"/> OFI

1.4 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.

	REQUIREMENT	SUPPORTING DOCUMENTATION	AUDITOR KEY FINDINGS	CONFORMANCE ISSUE
1	QMS Certification Valid ISO 9001 or comparable certification was submitted (if applicable)	attachment 1	ISO 9001 certificate # 29022Q13474-12R0S.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
2	Internal/External Audits Evidence of no outstanding NCRs were provided.	attachment 2 attachment 3	Reviewed the last ISO 9001 audit report. Total 2 NCRs as below: 1) No confirm record found for the mixing process. 2) One of the employees did not wear the protective equipment. All NCRs were closed on Dec 22, 2022.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
3	Production Flow Chart [Reference: SCS-EC10.3-2014-Section 6.5]	DRF	The production flow chart adequately describes the manufacturing processes.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR

4	Production Variability [Reference: SCS-EC10.3-2014-Section 6.5]	DRF	There was no production variability disclosed by the client.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
5	Product Line Identification and Traceability [Reference: SCS-EC10.3-2014-Section 6.5]	FET-CX-028-2022	Reviewed the Product Line Identification and Traceability procedure. The procedure included in Quality Manual and met the requirements. Reviewed the production record and # 23-124-3 relevant document.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
6	Production Control [Reference: SCS-EC10.3-2014-Section 6.5]	FET-CX-008-2022 FET-CX-011-2022	Interviewed Mr. Gong. No customer complaint received.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR

APPENDIX

A.1 Renewal Audit Recommendations

A.1.1 Renewal Sample Selection

The following table represents suggested sample selections for emissions testing. 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 CATEGORY	MANUFACTURING SITE	PRODUCT LINE	PRODUCT DETAILS	Renewal YEAR	AUDITOR RATIONALE
Vinyl Tile Flooring	Yixing City, China	Stone Plastic Composite Flooring with pad	8mm	2025	This product is considered Low Priority. Low Priority products require renewal testing every two years after the last certification.