

FloorScore®

2023 Initial Certification Assessment

SCS Environmental Certification Services

Prepared for:

AKGUN YAPI VE ZEMIN KAPLAMA TIC LTD STI
(dba: Area Floors)

Vinyl Tile Flooring

Manufactured by Istanbul, Turkey

Project Work Order: #ARE-22-01

June 7, 2023



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FloorScore® Initial Certification Assessment

SCS Global Services, Environmental Certification Services completed a renewal FloorScore certification assessment of Area Floor's Vinyl Tile products manufactured in Istanbul, Turkey. 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	Michael Hubbell, Technical Specialist mhubbell@scsglobalservices.com +1.510.838.1071	Date	June 6, 2023
SCS FINAL REVIEWER SIGNATURE			
SCS Decision Maker	Erik Hanba, Operations Director ehanba@scsglobalservices.com +1.510.421.1540		
Signature		Date	June 7, 2023

EXECUTIVE SUMMARY

ASSESSMENT SCOPE

Area Floor's vinyl tile assessment scope is detailed in the work order ARE-22-01. A change of scope was required to add the company name "AKGUN YAPI VE ZEMIN KAPL SN TIC LTD STI" to the 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
Vinyl Tile	Area SPC Floors (maximum thickness 6.0mm)	TVOC Range: 0.5 mg/m ³ or less	SCS-FS-09066	June 7, 2023 – June 30, 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-23-01	SCS-EC10.3-2014 V4.1 Section 6.6	Due to auditor availability the initial onsite audit was not conducted prior to certification. The onsite audit will need to be conducted within one year of certification.	June 30 th , 2024	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
ÖMERLİ MAH.ILGAZ SOK.NO:7/1 ARNAVUTKÖY / İSTANB UL TÜRKİYE 34275	June 30 th , 2024	Open	Due to auditor availability the initial onsite audit was not conducted prior to certification. The onsite audit will need to be conducted within one year of certification.

1.0 Product Category 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 DETAILS	SUPPORTING DOCUMENTATION	AUDITOR RATIONALE
Vinyl Tile	Istanbul, Turkey	Area SPC Floor (wood collection)	6.0mm, 0.5mm wear layer	RE 2023 Initial Sample Collection Procedures for Area Floors.msg	It is recommended to send the thickest product as it will hold the most chemical emissions. A higher wear layer increases the amount of PVC in the product.

1.2 PRODUCT EMISSIONS RESULTS

The table below summarizes the product emissions history results for product category 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. The highlighted row indicates the current emissions results.

1.2.1 VINYL TILE

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
Istanbul, Turkey	Area SPC Floor (Wood)	SPT2023103 - Akgun DTI	Not Detected	0.00	Pass	Pass	-
Istanbul, Turkey	Area SPC Floor (Wood)	SPT2023103 - Akgun DTI	TVOC	62.0	-	-	0.5 mg/m ³ or less

The results for Area Floor’s Vinyl Tile products manufactured in Istanbul, Turkey 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 initial 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
1	Laboratory is a qualified ISO 17025 certified laboratory. [Reference: SCS-EC10.3-2014-Section 6.3.2]	SPT2023103 - Akgun DTI.pdf	The sample was tested by Normec, an ISO 17025 certified lab.	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input type="checkbox"/> OFI
2	The manufacturer has submitted results in accordance with CDPH/EHLB/Standard Method V1.2 (January 2017), [Reference: SCS-EC10.3-2014-Section 6.3.3]	RE 2023 Initial Sample Collection Procedures for Area Floors.msg	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
3	Samples for testing are selected by a SCS auditor or a person authorized by SCS. [Reference: SCS-EC10.3-2014-Section 6.2]	SPT2023103 - Akgun DTI.pdf	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
4	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]	Sampling and CoC docs.pdf	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
5	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]	AreaFloors_2023_FS_Initial_DRF_auditor.xlsx	It is recommended to send the thickest product as it will hold the most chemical emissions. A higher wear layer increases the amount of PVC in the product.	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input type="checkbox"/> OFI

6	Samples submitted to the laboratory are in conformance with CDPH/EHLB/Standard Method V1.2-January 2017, Section 2. [Reference: SCS-EC10.3-2014-Section 6.2]	Sampling and CoC docs.pdf	The sample was submitted in conformance 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
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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)	AREAFLOORS CERTIFICATES.pdf	The client is ISO 9001 and 14001 certified, valid until October 24, 2025.	<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.	see Reports.pdf SAkgunYapi23060616210.pdf	The client has provided evidence of inspection checks and tests of materials and production.	<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]	Principals.pdf MainWF.pdf WORK FLOW CHART.pdf Workflow.pdf	The client has provided a layout of the production process, and an overview of the production 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]	Area Floors Info.msg	The client has confirmed no variation in the production processes.	<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]	Area SKU.pdf	The client has provided an example of their traceability procedure.	<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]	image0.jpg AreaFloors_2023_FS_Initial_DRF_auditor.xlsx	The client has provided an explanation of their non-conformance procedure and	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR

			an example of its implementation.	
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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	Istanbul, Turkey	Area SPC Floor (custom, wood, premium1, premium2, or stone)	6.0mm, 0.5mm wear layer	2025	Area Floors' vinyl tile is considered low priority and requires testing every two years. Area SPC Floors includes multiple collections all with the same make-up. The only difference is the print film used. It is recommended test the thickest product, and if available a different print film.