

FloorScore®

2019 Renewal Certification Assessment

SCS Environmental Certification Services

Prepared for:

Intasa s.a.

Engineered Hardwood

Manufactured in Coruña, Spain

Project Work Order: # INT-18-41

March 27, 2019



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FloorScore® Renewal Certification Assessment

SCS Global Services, Environmental Certification Services completed a renewal FloorScore certification assessment of Intasa s.a.'s engineered hardwood products manufactured in Coruña, 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 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.



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EXECUTIVE SUMMARY

ASSESSMENT SCOPE

Intasa's engineered hardwood assessment scope is detailed in the work order INT-18-41. A change of scope was required to add and remove the following product lines.

CERTIFICATE NUMBER	PRODUCT LINE(S) ADDED	PRODUCT LINE(S) REMOVED
SCS-FS-04298	Engineered Hardwood Flooring with Birch Plywood Core (Maximum Thickness: 19mm), Engineered Hardwood Flooring with Poplar Plywood Core (Maximum Thickness: 15mm)	Engineered Hardwood Flooring with Plywood Core (Maximum Thickness: 15mm)
	Note: the "Engineered Hardwood Flooring with Poplar Plywood Core" product was already certified, but the product line name has been updated from "Engineered Hardwood Flooring with Plywood Core" to differentiate from the newly added "Engineered Hardwood Flooring with Birch Plywood Core."	

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 LINE(S)	QUALIFICATIONS	CERTIFICATE NUMBER	CERTIFICATION PERIOD*
Engineered Hardwood Flooring with Birch Plywood Core (Maximum Thickness: 19mm), Engineered Hardwood with Cork Backing (Maximum Thickness: 10.2mm), Engineered Hardwood Flooring with HDF Core (Maximum Thickness: 14mm), Engineered Hardwood Flooring with Poplar Plywood Core (Maximum Thickness: 15mm)	TVOC Range: 0.5 mg/m ³ or less	SCS-FS-04298	April 1, 2019 – December 31, 2019

*The issuance date of the renewal certificate has been adjusted as the certification extension expires on March 31, 2019.

PRODUCT ASSESSMENT SUMMARY

No Non-Conformance Report (NCR) / Opportunity for Improvement (OFI) /New Information Request (NIR) were issued as a result of this assessment.

MANUFACTURING ONSITE AUDIT SUMMARY

The table below indicates the entire scope of applicable site audits, the status of site audits completed, conformance status, and rationale for site audit selection for initial and renewal years.

MANUFACTURING SITE	DATE OF LAST ONSITE AUDIT	STATUS OF NCR/NIR	AUDITOR RATIONALE
As Pontes, Coruña, Spain	March 27, 2017	No NCRs/NIRs were issued as a result of this audit.	This site continues to demonstrate the ability to control production through a quality management system and manufactures products considered to be a low priority for emissions testing. Therefore, the site is also considered a low priority and does not require a renewal onsite audit at this time. The site will be re-evaluated for a renewal onsite audit in the 2021 renewal assessment.

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 LINE	PRODUCT MODEL/SKU NO.	SUPPORTING DOCUMENTATION	AUDITOR RATIONALE
Engineered Hardwood Flooring with Birch Plywood Core	Oak 1 Plank 19mm Birchwood	Intasa_2018 FS NOC1_Adding Product_client	Intasa requested to add a new product to their scope, Engineered Hardwood Flooring with Birch Plywood Core, during a 2018 Notice of Change assessment. Due to the unique composition of a new core, additional testing was required to add this product.
Engineered Hardwood with Cork Backing	Oak 1 Plank Cork Collection (10.2mm)	Intasa_2019 FS Renewal DRF_auditor	The Engineered Hardwood with Cork Backing (10.2mm) product line has demonstrated the highest formaldehyde emissions out of previously tested products, and is therefore considered the worst case scenario for emissions.

1.2 PRODUCT EMISSIONS RESULTS

The table below summarizes the product emissions history results 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 ENGINEERED HARDWOOD

PRODUCT LINE	REPORT #/DATE	CREL VOCs	EF (ug/m ² -h) at 96-hrs	Private Office* Results	School Classroom** Results	TVOC Range
Oak 1 Plank 14mm HDF	51611-001 - 11/17/2016	Acetaldehyde	10.00	PASS	PASS	-
Oak 1 Plank 14mm HDF	51611-001 - 11/17/2016	Formaldehyde	10.00	PASS	PASS	-
Oak 1 Plank 14mm HDF	51611-001 - 11/17/2016	Methylene chloride	4.00	PASS	PASS	-
Oak 1 Plank 14mm HDF	51611-001 - 11/17/2016	TVOC	70.00	-	-	0.5 mg/m ³ or less
Oak 1 Plank 14mm Plywood	51611-002 - 11/17/2016	Propylene glycol monomethyl ether	16.00	PASS	PASS	-
Oak 1 Plank 14mm Plywood	51611-002 - 11/17/2016	Acetaldehyde	6.00	PASS	PASS	-
Oak 1 Plank 14mm Plywood	51611-002 - 11/17/2016	Formaldehyde	10.00	PASS	PASS	-
Oak 1 Plank 14mm Plywood	51611-002 - 11/17/2016	Methylene chloride	4.00	PASS	PASS	-
Oak 1 Plank 14mm Plywood	51611-002 - 11/17/2016	TVOC	140.00	-	-	0.5 mg/m ³ or less
Oak 1 Plank with Cork Backing	52527.001 - 12/19/17	Phenol	1.90	PASS	PASS	-
Oak 1 Plank with Cork Backing	52527.001 - 12/19/17	Acetaldehyde	7.40	PASS	PASS	-
Oak 1 Plank with Cork Backing	52527.001 - 12/19/17	Formaldehyde	15.00	PASS	PASS	-
Oak 1 Plank with Cork Backing	52527.001 - 12/19/17	TVOC	140.00	-	-	0.5 mg/m ³ or less
Oak 1 Plank 19mm Birchwood	53283.001 - 6/11/18	Acetaldehyde	7.40	PASS	PASS	-
Oak 1 Plank 19mm Birchwood	53283.001 - 6/11/18	TVOC	59.00	-	-	0.5 mg/m ³ or less
Oak 1 Plank Cork Collection	53956.001 - 3/11/19	Acetaldehyde	3.70	PASS	PASS	-
Oak 1 Plank Cork Collection	53956.001 - 3/11/19	Formaldehyde	7.40	PASS	PASS	-
Oak 1 Plank Cork Collection	53956.001 - 3/11/19	TVOC	61.00	-	-	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 Intasa’s engineered hardwood products manufactured in Coruña, Spain demonstrate that one or more of the 35 targeted CREL VOCs listed in the Standard Method V1.2 are at or above 70% of the maximum allowable limits. Therefore, these products are considered **High Priority**. High Priority products require renewal testing every year 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]	ECO 53283.001 ECO 53956.001	The samples were tested by ECO-Institut, 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]	ECO 53283.001 ECO 53956.001	The manufacturer has submitted results in accordance with the Standard Method.	<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]	Emails saved as: Sample Plan for Intasa s.a. Notice of Change Form for Intasa s.a.	The samples were recommended by an SCS auditor via email and collected by an authorized person for Intasa.	<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]	ECO 53283.001 ECO 53956.001 Chain of Custody Forms	The samples were selected from production lots that represent the final quality 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]	Intasa_2019 FS Renewal DRF_auditor	The Data Request Form and Notice of Change Form provided by the client includes details on product ingredients and manufacturing processes. This information was used to determine the worst case scenario for emissions.	<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	ECO 53283.001 ECO 53956.001	The samples were submitted to the laboratory in	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR

V1.2-January 2017, Section 2. [Reference: SCS-EC10.3-2014-Section 6.2]	Chain of Custody Forms	conformance with the Standard Method.	<input type="checkbox"/> NIR <input type="checkbox"/> OFI
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1.4 Quality Management System

The table below includes a review of the ongoing maintenance of the manufacturer's quality management system in accordance to SCS EC10.3-2014.

	REQUIREMENT	SUPPORTING DOCUMENTATION	AUDITOR KEY FINDINGS	CONFORMANCE ISSUE
1	QMS Certification Valid ISO 9001 or comparable certification was submitted (if applicable)	CertificadoER-1741-20 08_ES_2018-11-28	The ISO 9001 certificate on file is valid until December 30, 2020.	<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.	F-P04-03-Ac Corrective action filled	The site recently completed an external quality audit. All non-conformances have been closed via corrective action reports.	<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]	Intasa_2019 FS Renewal DRF_auditor	No changes have been made that would affect the flow of production.	<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]	Intasa_2019 FS Renewal DRF_auditor	No changes have been made that would affect production variability.	<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]	Intasa_2019 FS Renewal DRF_auditor	No changes have been made that would affect the product line identification and 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]	F-14-02-02	The customer complaint example provided demonstrates an efficient system in place to identify	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR

			customer issues, analyze root causes, and implement corrective actions.	
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1.5 FloorScore® Logo Review

The table below includes a review of the ongoing FloorScore® logo usage

	REQUIREMENT	SUPPORTING DOCUMENTATION	AUDITOR KEY FINDINGS	CONFORMANCE ISSUE
1	Logo Use-Website Are SCS Indoor Air Quality logos used on the company website? (If yes, provide a link to the website.)	Intasa_2019 FS Renewal DRF_auditor	Galparquet does not use the FloorScore logo on the company website, marketing collateral, or product packaging.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
2	Logo Use-Marketing Collateral Are SCS Indoor Air Quality logos used on “off-products” such as brochures, price lists, or leaflets? (If yes, provide a sampling of logos used on off-products.)			
3	Logo Use-On Product Packaging Are SCS Indoor Air Quality logos used on products such as product packaging or labels? (If yes, provide an example of a logo used on products.)			

APPENDIX

A.1 Renewal Audit Recommendations

A.1.1 Renewal Sample Selection

The following table represents suggested sample selections for emissions testing for engineered hardwood. 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
Engineered Hardwood with Cork Backing	10.2mm	2020 Renewal Assessment	Intasa's engineered hardwood products are considered a high priority with renewal testing required every year. The Engineered Hardwood with Cork Backing (10.2mm) product line has demonstrated the highest formaldehyde emissions, and is therefore considered the worst case scenario for emissions. It is recommended for annual testing to confirm continued compliance.