

**Indoor Advantage™ Gold**  
**2021 Initial Certification Assessment**

---

*SCS Environmental Certification Services*

Prepared for:

**Agglotech Spa.**

**Terrazzo Floor Tiles and Terrazzo Adhesive**

*Headquartered in Grezzana, Venezia*

**Project Work Order: AGG-21-01**

**November 19, 2021**

## Indoor Advantage™ Gold Initial Certification Assessment

SCS Global Services, Environmental Certification Services completed a renewal Indoor Advantage™ Gold certification assessment of Agglotech Spa's Terrazzo Floor Tiles and Terrazzo Adhesive products manufactured in Italy. 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 (CDPH/EHLB Standard Method v1.2-2017, effective January, 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 17065 and has been approved by the program manager. If there is a disagreement with the certification decision, please contact the lead auditor directly.

### Authorized Signatures

AUDITOR INFORMATION			
Lead Auditor Name	Rob Emelander, Senior Technical Associate remelander@scsglobalservices.com +1.616.502.6090	Date	November 19, 2021
SCS FINAL REVIEWER SIGNATURE			
SCS Reviewer Name, Title	Erik Hanba, Operations Director ehanba@scsglobalservices.com +1.510.421.1540		
Signature		Date	November 19, 2021

## Executive Summary

### Assessment Scope

Agglotech Spa's Terrazzo Floor Tiles and Terrazzo Adhesive assessment scope is detailed in the work order AGG-21-01.

### Quality Management System Review

The table below includes a review of the manufacturer's quality management system in accordance to SCS EC10.3-2014. Table is applicable to all sites within the assessment scope.

REQUIREMENT	SUPPORTING DOCUMENTATION	AUDITOR KEY FINDINGS	CONFORMANCE ISSUE
<b>QMS Certification</b> Valid ISO 9001 or third party certification was submitted (Not Required)	N/A	No ISO 9001 certification information was provided.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
<b>Production Flow Chart / Process Description</b> [Reference: SCS-EC10.3-2014-Section 6.5]	traduzione inglese descrizione produzione 2020.pdf	Requirement met.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
<b>Corrective/Preventative Action Procedure</b> [Reference: SCS-EC10.3-2014-Section 6.5]	traduzione inglese descrizione produzione 2020.pdf	Supporting document sufficient.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
<b>Product Line Identification and Traceability</b> [Reference: SCS-EC10.3-2014-Section 6.5]	traduzione inglese descrizione produzione 2020.pdf	Requirement met.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR
<b>Disclosure of Product Variability</b> [Reference: SCS-EC10.3-2014-Section 6.5]	N/A	No variability information was provided.	<input checked="" type="checkbox"/> No issue <input type="checkbox"/> OFI <input type="checkbox"/> NIR <input type="checkbox"/> NCR

## Certification Assessment Results

---

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.

### 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	PRODUCT LINE	SUPPORTING DOCUMENTATION	AUDITOR RATIONALE
Floor Tiles	Agglotech Architectural Terrazzo	Agglotech_2021_IAQ_DRF_client.xls	Agglotech Architectural Terrazzo is the only product in this category.
Adhesives	Agglofix S2	AGGLOTECH_scheda_tecnica_colla_EN.pdf	Agglofix S2 is the only product certified in the Adhesives category.

## PRODUCT EMISSIONS RESULTS

The tables below summarize the product emissions results by Terrazzo Floor Tiles and Terrazzo Adhesives for the individual volatile organic compounds (VOCs) tested for compliance to CA Specification 01350 (CDPH/EHLB Standard Method v1.2-2017, effective January, 2017) private office, school classroom, and single-family residence parameters when modeled as Flooring.

### Terrazzo Floor Tiles

PRODUCT LINE	REPORT #/DATE	CREL VOCs	EF (ug/m <sup>2</sup> -h) at 96-hrs	Private Office* Results	School Classroom** Results	Single-Family Residence*** Results	TVOC Range, 0.5mg/m <sup>3</sup> or less
Agglotech Terrazzo	56661-001-L October 12, 2021	Formaldehyde	4.6	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	
		TVOC	160.00				<b>TRUE</b>

### Terrazzo Adhesive

PRODUCT LINE	REPORT #/DATE	CREL VOCs	EF (ug/m <sup>2</sup> -h) at 96-hrs	Private Office* Results	School Classroom** Results	Single-Family Residence*** Results	TVOC Range, 0.5mg/m <sup>3</sup> or less
Agglofix S2	56661-001-L October 12, 2021	Formaldehyde	0	<b>PASS</b>	<b>PASS</b>	<b>PASS</b>	
		TVOC	20.00				<b>TRUE</b>

## 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]	56661.A001.pdf 56661.A002.pdf	Eco-INSTITUT is an SCS approved laboratory.	<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]	56661.A001.pdf 56661.A002.pdf	Requirement met.	<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]	Agglotech Initial Sample Plan.msg	Sample plan created by SCS lead auditor.	<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]	56661.A001.pdf 56661.A002.pdf	Requirement met.	<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]	Agglotech_2021_IAQ_DRF_client.xls  AGGLOTECH_scheda_tecnica_colla_EN.pdf	Requirement met.	<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]	56661.A001.pdf 56661.A002.pdf	Requirement met.	<input checked="" type="checkbox"/> No Issues <input type="checkbox"/> NCR <input type="checkbox"/> NIR <input type="checkbox"/> OFI

## Indoor Air Quality Certification Summary

The following table details the conformance for products that have met Indoor Advantage™ Gold product certification requirements. Products that have met Indoor Advantage™ Gold certification also comply with the following criteria: Collaborative for High Performance Schools (CHPS) 2009 Criteria, EQ2.2.3; and USGBC LEED 2009 and V4 criteria for low emitting materials (Furniture).

**The certification date range:** November 19, 2021 to November 18, 2022

CERTIFICATE NUMBER	PRODUCT CATEGORY	CERTIFICATE CHANGES	CONFORMANCE	QUALIFICATIONS
SCS-IAQ-07445	Terrazzo Floor Tiles	(Add) Agglotech Architectural Terrazzo	Indoor Advantage™ Gold Indoor Air Quality Certified to SCS-EC10.3-2014 v4.0 Conforms to the CDPH/EHLB Standard Method (CA 01350) v1.2-2017 for the school classroom, private office, and single-family residence parameters when modeled as Flooring.  Measure Concentration of Total Volatile Organic Compounds (TVOC): 0.5mg/m3 or less (in compliance with CDPH/EHLB Standard Method v1.2-2017)	None
SCS-IAQ-07446	Terrazzo Adhesive	(Add) Agglofix S2	Indoor Advantage™ Gold Indoor Air Quality Certified to SCS-EC10.3-2014 v4 Conforms to the CDPH/EHLB Standard Method (CA 01350) v1.2-2017 for the school classroom, private office, and single-family residence parameters when modeled as Flooring. Also, conforms to the SCAQMD Rule 1168 - Adhesive and Sealants (January 2005).  Average Product Application Amount: 5,000 g/m2.  Measured Concentration of Total Volatile Organic Compounds (TVOC): Less than/equal to 0.5 mg/m3 (in compliance with CDPH/EHLB Standard Method v1.2-2017)  Methylene Chloride and Perchloroethylene are not intentionally added to certified products.	None

# 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	PRODUCT LINE	Renewal YEAR
Terrazzo Floor Tiles	Agglotech Terrazzo	2023

The results for Agglotech Spa’s Terrazzo Floor Tiles products 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.

PRODUCT CATEGORY	PRODUCT LINE	Renewal YEAR
Terrazzo Adhesive	Agglofix S2	2025

The results for Agglotech Spa’s Terrazzo Adhesive products demonstrate that all 35 targeted CREL VOCs listed in the Standard Method V1.2 are not detected. Therefore, these products are considered of **Minimal Concern**. Minimal concern products require renewal testing every four years after initial certification.