

## TYPE EXAMINATION CERTIFICATE

**No. 20-0703-01**

**Certificate issued by Notified Body N° 1611**

1. Product name: PVC Flooring
2. Product material: PVC
3. Product type:
  - a. thickness: 1.5 mm - 12 mm
  - b. density: 1800 - 2000 kg/m<sup>3</sup>
4. Numerical code of product classification:
  - a. fire behaviour: **B fl s1**
  - b. formaldehyde: **E1**
  - c. slip resistance: **DS**
5. Usage of the product: Used as interior flooring for home, hotel, school, office, hospital, shops etc.
6. Manufacturer:
7. Address:

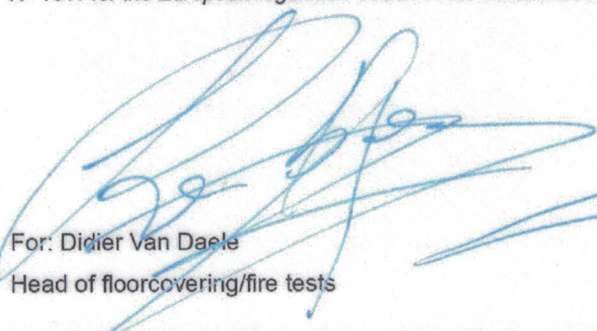
This certificate assures the compliance of properties of the product, which complies with the technical requirements referenced in EN 14041, EN 13501-1, EN 717-1 and EN 13893. The certificate only applies to materials that correspond to the tested sample.

The results of tests and findings on conformity of the properties of the given type with technical requirements are referenced in classification report CR-20-0703-01, Test Reports 20-0703-01, 20-0703-02, 20-0703-03 and MVZ-A-2020-001501.

**Date of issuing: 6/08/2020**

**Valid until: August 2025**

The Centre for Textile Science and Engineering of Ghent University (Belgium) is recognized as notified laboratory N° 1611 for the European regulation 305/2011 for construction products.



For: Didier Van Daele  
Head of floorcovering/fire tests



Prof. Dr. Paul KIEKENS, dr. h. c.  
Director








## EC DECLARATION OF PERFORMANCE

No. 20-0703-01

1. Unique identification code of the product, product type or product family: Xinou
2. The name of the product, product type or product family : PVC Flooring  
Thickness : 1.5mm—12mm  
Density : 1800 kg/m<sup>3</sup>--2000 kg/m<sup>3</sup>
3. The product(s) are intended for use as floor covering(s) within a building according to the manufacturer's specifications and installation practices in accordance with EN 14041.
4. Name and contact address of the manufacturer:
5. Name and contact address of authorized representative (distributor, importer), only where applicable:  
Name:  
Address:
6. System of assessment and verification of constancy of performance: System 3  
Notified Body: 1611  
Test report No: 20-0703-01, 20-0703-02, 20-0703-03, CR20-0703-01, MVZ-A-2020-001501  
Certificate No: 20-0703-01
7. Declared performances of essential characteristics (according to: harmonized standard EN 14041)  

Reaction to fire (EN 13501-1)	Formaldehyde Emissions (EN 717-1)	Slip resistance (EN13893)
		
8. The Performance of the product(s) identified in points 1 and 2 is in conformity with the declared performance in Point 7.  
This declaration of performance is issued under sole responsibility of the manufacturer or authorized representative identified in point 4 or 5.
9. The production control system owned by the manufacturer:  
★ISO 9001

Signed for and behalf of the manufacturer or authorized representative by:

Date:

Name/Stamp:

Position:



**Contact**

Didier Van Daele

**e-mail**

FloorAndFire@ugent.be

**date**

06/08/2020

**TEST REPORT 20-0703-01**

**Samples received**

<b><u>Name</u></b>	<b><u>Date of receipt</u></b>
PVC Flooring 1.5mm	17/07/2020

**Aim of the test**

Determination of the fire behaviour

**Test conditions**

**Small flame test**

Standard:

**ISO 11925-2 (2010 + AC 2011)\***

Method:

The use surface of a vertically put specimen placed (loose laid) on a fibre cement board (according to EN 13238) is ignited by a propane gas flame. Under condition of a surface flame attack with 15 s exposure time, there shall be no flame spread in excess of 150 mm vertically from the point of the test flame within 20 s from the time application.

If the boundary line is not reached within 20 s, the sample meets the requirements for the class E<sub>fl</sub>.

Number of tests: 3 lengthwise and 3 crosswise

Conditioning 23 ± 2 °C and 50 ± 5 % R.H.

samples:

## Fire Behaviour

Standard:

**EN ISO 9239-1 (2010)\***

Method:

Before the test the samples are **not cleaned**.

A floorcovering is put on (**loose laid**) a fibre cement board (according to EN 13238). During the test, the specimen is irradiated by a gas radiator at an angle of 30°. A small flame is used to ignite the specimen. The specimen is ignited during 10 minutes. In case of inflammable specimens, the test lasts until the flame is extinguished, but 30 minutes at the most. The criterion is the burned length, from which the critical radiant flux is deduced using a calibration curve.

Number of tests: 4

Conditioning

23 ± 2 °C and 50 ± 5 % R.H.

samples:

The tests were finished in week 32/2020.



## OBTAINED RESULTS

### Small flame test

Ignition time : 15 s

#### Lengthwise

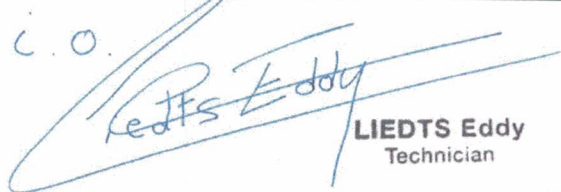
Sample	Burning time (s)	After glowing time (s)	Boundary line reached within 20 s
1	15	-	no
2	18	-	no
3	15	-	no

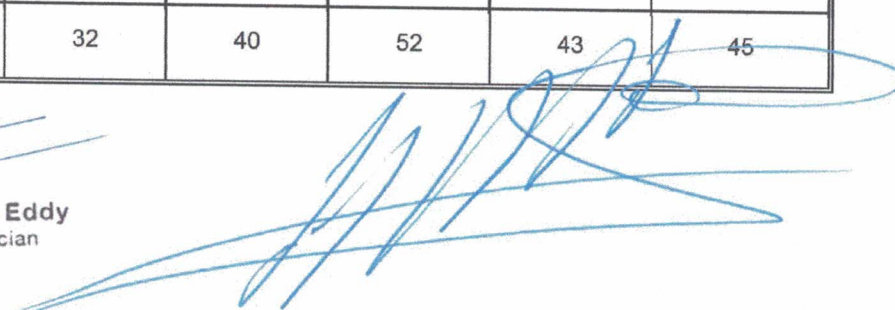
#### Crosswise

Sample	Burning time (s)	After glowing time (s)	Boundary line reached within 20 s
1	15	-	no
2	15	-	no
3	16	-	no

#### Fire behaviour

Specimen number	1 Length	2 Width	3 Width	4 Width	Average Specimens 2,3,4
Flame spread after 10 min (mm)	80	85	65	95	
Flame spread after 20 min (mm)	80	85	65	95	
Flame spread after 30 min (mm)	80	85	65	95	
Flame spread at extinction (mm)	80	85	65	95	
Flame time	12min 0s	12min 11s	12min 0s	12min 12s	
Critical heat flux CHF at extinction (kW/m <sup>2</sup> )	11.0	11.0	11.0	11.0	11.0
Total smoke production at end of test (%.min)	32	40	52	43	45

*C.O.*  
  
**LIEDTS Eddy**  
Technician



Didier Van Daele  
Head of Floor covering and Fire Tests

Prof. Dr. Paul KIEKENS, dr. h. c.  
Director

## ENCLOSURE TO REPORT 20-0703-01

*Classification according to EN 13501-1*

*Warning: this statement cannot be used for CE labelling purposes*

Classification	EN ISO 11925-2 (ignition time = 15 s)	EN ISO 9239-1 (test period = 30 min)	CLASS
B <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m <sup>2</sup>	X
C <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m <sup>2</sup>	
D <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m <sup>2</sup>	
E <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	No demand	
F <sub>fl</sub>	No demand	No demand	

### *Additional classification smoke development*

		CLASS
Smoke development ≤ 750%.min	s1	X
Smoke development > 750%.min	s2	



**Contact**  
Didier Van Daele

**e-mail**  
FloorAndFire@ugent.be

**date**  
06/08/2020

## TEST REPORT 20-0703-03

### Samples received

<b>Name</b>	<b>Date of receipt</b>
PVC Flooring 12mm	17/07/2020

### Aim of the test

Determination of the fire behaviour

### Test conditions

#### **Small flame test**

Standard:

**ISO 11925-2 (2010 + AC 2011)\***

Method:

The use surface of a vertically put specimen placed (loose laid) on a fibre cement board (according to EN 13238) is ignited by a propane gas flame. Under condition of a surface flame attack with 15 s exposure time, there shall be no flame spread in excess of 150 mm vertically from the point of the test flame within 20 s from the time application.

If the boundary line is not reached within 20 s, the sample meets the requirements for the class E<sub>fl</sub>.

Number of tests:

3 lengthwise and 3 crosswise

Conditioning

23 ± 2 °C and 50 ± 5 % R.H.

samples:

## Fire Behaviour

Standard:

**EN ISO 9239-1 (2010)\***

Method:

Before the test the samples are **not cleaned**.

A floorcovering is put on (**loose laid**) a fibre cement board (according to EN 13238). During the test, the specimen is irradiated by a gas radiator at an angle of 30°. A small flame is used to ignite the specimen. The specimen is ignited during 10 minutes. In case of inflammable specimens, the test lasts until the flame is extinguished, but 30 minutes at the most. The criterion is the burned length, from which the critical radiant flux is deduced using a calibration curve.

Number of tests:

4

Conditioning

23 ± 2 °C and 50 ± 5 % R.H.

samples:

The tests were finished in week 32/2020.



## OBTAINED RESULTS

### Small flame test

Ignition time : 15 s

#### Lengthwise

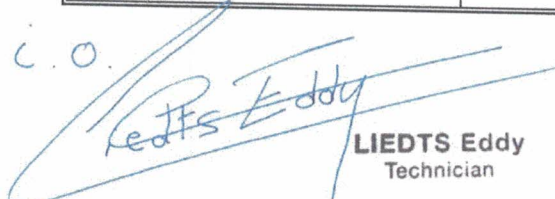
Sample	Burning time (s)	After glowing time (s)	Boundary line reached within 20 s
1	15	-	no
2	15	-	no
3	15	-	no

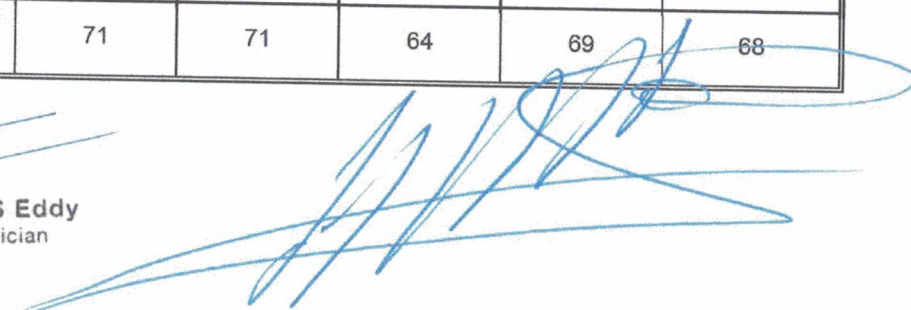
#### Crosswise

Sample	Burning time (s)	After glowing time (s)	Boundary line reached within 20 s
1	15	-	no
2	15	-	no
3	15	-	no

### Fire behaviour

Specimen number	1 Length	2 Width	3 Width	4 Width	Average Specimens 2,3,4
Flame spread after 10 min (mm)	105	120	130	125	
Flame spread after 20 min (mm)	105	120	130	125	
Flame spread after 30 min (mm)	105	120	130	125	
Flame spread at extinction (mm)	105	120	130	125	
Flame time	12min 29s	12min 15s	12min 19s	12min 13s	
Critical heat flux CHF at extinction (kW/m <sup>2</sup> )	11.0	10.4	10.4	10.5	10.4
Total smoke production at end of test (%.min)	71	71	64	69	68

C.O.  
  
**LIEDTS Eddy**  
Technician



Didier Van Daele  
Head of Floor covering and Fire Tests

Prof. Dr. Paul KIEKENS, dr. h. c.  
Director

## ENCLOSURE TO REPORT 20-0703-03

**Classification according to EN 13501-1**

**Warning: this statement cannot be used for CE labelling purposes**

Classification	EN ISO 11925-2 (ignition time = 15 s)	EN ISO 9239-1 (test period = 30 min)	CLASS
B <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 8.0 kW/m <sup>2</sup>	<b>X</b>
C <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 4.5 kW/m <sup>2</sup>	
D <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	Critical flux ≥ 3.0 kW/m <sup>2</sup>	
E <sub>fl</sub>	F <sub>s</sub> ≤ 150 mm in 20 s	No demand	
F <sub>fl</sub>	No demand	No demand	

**Additional classification smoke development**

	CLASS
Smoke development ≤ 750%.min	s1
Smoke development > 750%.min	s2

## **Classification Report**

### **CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018**

<b>Sponsor</b>	
<b>Manufacturer:</b>	
<b>Prepared by</b>	<b>Ghent University - Centre for Textile Science and Engineering Technologiepark 70A, 9052 Zwijnaarde, Belgium</b>
<b>Notified Body N°</b>	<b>1611</b>
<b>Product Name</b>	<b>PVC Flooring</b> (as given by the sponsor)
<b>Report N° / Issue N°</b>	<b>CR 20-0703-01</b>
<b>Date of issue</b>	<b>6/08/2020</b>

#### **1. Introduction**

This classification report defines the classification assigned to PVC Flooring, in accordance with the procedures given in EN 13501-1:2018

#### **2. Details of classified product**

##### **2.1 General**

The product PVC Flooring is defined as being suitable for floor covering applications.

##### **2.2 Product description**

The product, PVC Flooring is described below and in the test report(s) listed in Clause 3.1.

Product description	PVC resin, Calcium Carbonates, Stabilizers, Plasticizers
Composition of use-surface	UV coating
Composition of backing layer	Pvc bottom layer
Flame retardant treatment	No



### 3. Reports and Results in support of Classification

#### 3.1 Test reports

Name of test laboratory	Name of sponsor	Test report number	Test method
Ghent University - Centre for Textile Science and Engineering		20-0703-01 20-0703-03	EN ISO 9239-1
Ghent University - Centre for Textile Science and Engineering		20-0703-01 20-0703-03	EN ISO 11925-2

#### 3.2 Test results

Test method	Parameter	No. of tests	Results	
			Average	Compliance
EN ISO 9239-1	Critical flux (kW/m <sup>2</sup> )	4	11.0	B fl
	Smoke (%.min)		45	s1
EN ISO 11925-2	Fs	6	PASS	PASS
EN ISO 9239-1	Critical flux (kW/m <sup>2</sup> )	4	10.4	B fl
	Smoke (%.min)		68	s1
EN ISO 11925-2	Fs	6	PASS	PASS

#### 4. Classification and field of application

##### 4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018

##### 4.2 Classification

The product, PVC Flooring, in relation to its reaction to fire behavior is classified: **B fl**

The additional classification in relation to smoke production is: **s1**

Therefore, taking into account the limitations given in §5:

**Reaction to fire classification: B fl - s1**

### 4.3 Field of application

This classification is valid for the following product parameters:

	Min.	Max.
Range of total mass (kg/m <sup>2</sup> )	2.85	23
Range of total thickness (mm)	1.5	12

This classification is valid for the following end use applications:

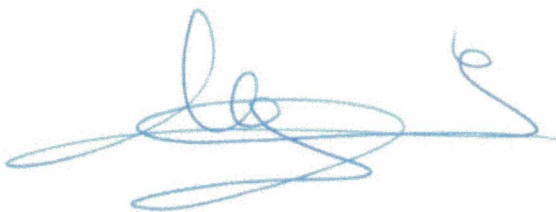
Deposition method	-
Substrates	Not specified
Joints	-
Other aspects of end use conditions	Used as interior flooring for home, hotel, school, office, hospital, shops etc.

### 5. Limitations

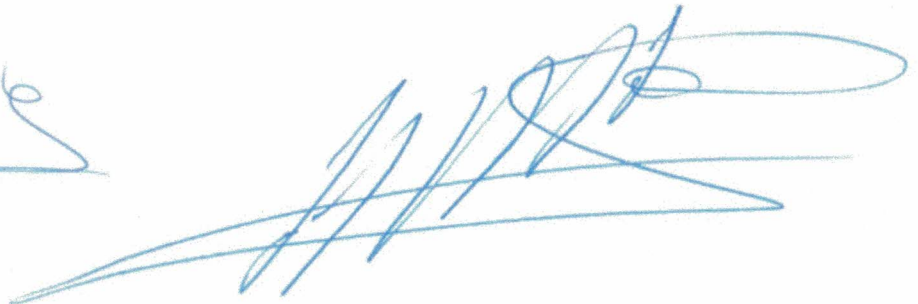
This classification document does not represent type approval or certification of the product.

The test laboratory has played no part in sampling the product of the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.



Johanna Louwagie  
Head of certification



Prof. Dr. Paul KIEKENS, dr. h. c.  
Director





## TEST REPORT No. MVZ-A-2020-001501

Customer:

Object of the test:

**PVC FLOORING**

Date: 2020-07-31

Number of pages: 2

Number of annexes: 0

Copies: 2 Copy No. 1: Customer  
Copy No. 2: MVZ archive

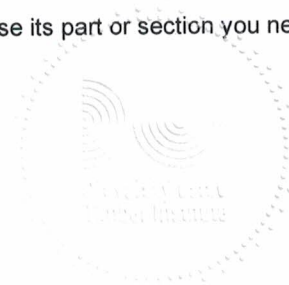
Copy No: 1

The results of tests contained in this Test Protocol apply only to the tested subject, as was received, and the Test Protocol does not mean approval of the product by the body granting accreditation or by any other body. The testing laboratory is not responsible for the information supplied by the customer. Customer data is marked in italics in the protocol. The tests outside the extent of accreditation and sub-contracted are designated. The ČIA accreditation does not apply to the results of tests titled „Outside the extent of accreditation“.

The Protocol shall not be copied otherwise but as a whole, and to use its part or section you need the written consent of the testing laboratory.

Original copies have relief stamp.

In case of misunderstanding, the Czech version is valid.



Ing. Anna Součková  
head of the Material and product testing department



## 1. OBJECT AND PURPOSE OF THE TEST:

The purpose of the test is the determination of the formaldehyde release of the supplied sample of PVC Flooring.

## 2. TEST SAMPLES:

Sample codes (laboratory):	sample No. 269
Sample name:	PVC Flooring
Sample description:	PVC Flooring
Producer:	
Quantity, size:	3 pieces, (614 x 190) mm
Nominal thickness:	12 mm
Date of production:	unknown
Date of reception:	July 24. 2020
Place of reception:	VVÚD - MVZ
Received:	VVÚD; Petra Volfová
Handed down:	by post

## 3. TEST METHOD:

- TP-VVÚD-2.64.001 (ČSN EN 717-1) - Determination of formaldehyde in test chamber of VVÚD.

Testing conditions for TP-VVÚD-2.64.001 (ČSN EN 717-1):

Volume of the chamber	0,225 m <sup>3</sup>
determination of emission value	by the acetylacetone method

## 4. DATE OF THE TEST:

29 to 31 July 2020

## 5. TEST RESULTS:

Sample No. 269

chambre value 0,006 mg HCHO/m<sup>3</sup> of air

This test report made by: Štěpánka Mošovská

- End of report -



**Contact**  
Didier Van Daele

**e-mail**  
FloorAndFire@ugent.be

**date**  
06/08/2020

## TEST REPORT 20-0703-02

### Samples received

<b>Name</b>	<b>Date of receipt</b>
PVC Flooring 1.5mm	17/07/2020

### Aim of the test

Determination of the dynamic friction

### Test conditions

#### **Dynamic friction of floorcoverings**

Standard: EN 13893 (2002)

Method: Appliance GMG 100.

Two leather and 1 rubber sole are attached to the GMG 100. The appliance is pulled over the sample at a constant speed. The horizontal force needed is registered. The dynamic friction coefficient is determined by dividing the horizontal force by the vertical force.

Number of tests: 3 in each direction

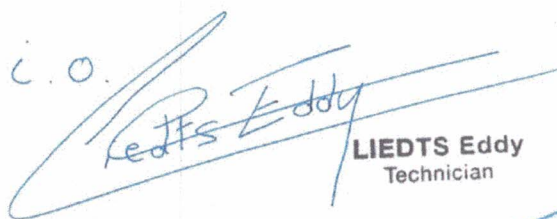
Test conditions:  $20 \pm 2$  °C and  $65 \pm 4\%$  relative humidity

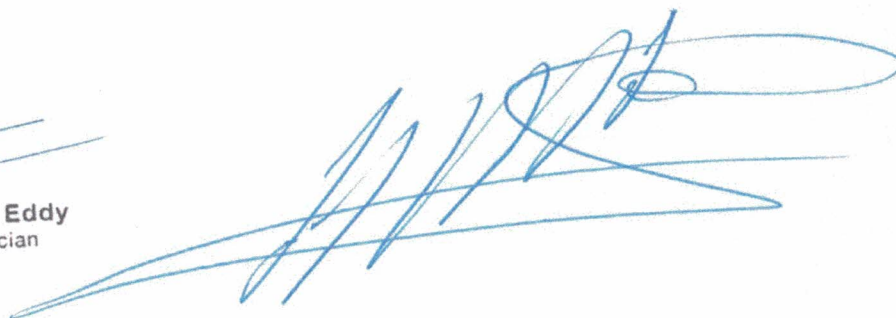
The tests were finished in week 32/2020.

**OBTAINED RESULTS**

Dynamic coefficient of friction ( $\mu$ ) EN 13893

REF: PVC Flooring 1.5mm		
Measurement	Direction of production	Perpendicular to the direction of production
1	0.40	0.42
2	0.41	0.40
3	0.41	0.40
<b>Mean value</b>	<b>0.41</b>	<b>0.41</b>

C.O.  
  
**LIEDTS Eddy**  
Technician



Didier Van Daele  
Head of Floor covering and Fire Tests

Prof. Dr. Paul KIEKENS, dr. h. c.  
Director



**FloorScore®**

## **2021 Initial Certification Assessment**

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*SCS Environmental Certification Services*

**Prepared for:**

**Vinyl Tile Flooring**

**Project Work Order: #CXN-20-01**

**May 24, 2021**



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SERVICES

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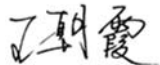
## FloorScore® Initial Certification Assessment

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SCS Global Services, Environmental Certification Services completed an initial FloorScore® certification assessment of Ltd.'s Vinyl Tile Flooring products

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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Jenilee Hsu, May 24, 2021  
Flooring Program Manager  
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## EXECUTIVE SUMMARY

### ASSESSMENT SCOPE

Ltd.'s Vinyl Tile Flooring assessment scope is detailed in the work order CXN-20-01. No changes have been made to the scope of the original work order.

### 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	Luxury Vinyl Tile (Maximum thickness: 7.0mm), Wood Plastic Composite (WPC) Flooring (Maximum thickness: 11.0mm), Wood Plastic Composite (WPC) Flooring with pad (Maximum thickness: 12.0mm), Rigid Core Vinyl Tile (Maximum thickness: 8.0mm), Rigid Core Vinyl Tile with pad (Maximum thickness: 9.0mm)	TVOC Range: 0.5 mg/m <sup>3</sup> or less	SCS-FS-07090	May 24, 2021 – May 31, 2022

### PRODUCT CONFORMANCE SUMMARY

Non- Conformance Report (NCR) / Opportunity for Improvement (OFI) /New Information Request (NIR) were not issued as a result of this assessment.

### MANUFACTURING SITE ASSESSMENT 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 ONSITE AUDIT	STATUS OF NCR/NIR	AUDITOR RATIONALE
	Mar. 9, 2021	There was one NCR onsite and the status was closed.	



MANUFACTURING SITE	DATE OF ONSITE AUDIT	STATUS OF NCR/NIR	AUDITOR RATIONALE
			<p>audit. The details of the onsite audit findings are included in the 2021 FloorScore Initial Onsite Audit Report. The site will undergo a full quality review again during the 2025 renewal assessment.</p>

## 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 CATEGORY	MANUFACTURING SITE	PRODUCT LINE	PRODUCT MODEL/SKU NO.	SUPPORTING DOCUMENTATION	AUDITOR RATIONALE
Vinyl Tile Flooring		Luxury Vinyl Tile 7mm	161554	Data 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. So 7mm thickness products were selected.
		Wood Plastic Composite(WPC)Flooring With Pad 12mm	210112	Data 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. So 12mm thickness products were selected.
		Rigid Core Vinyl Tile With Pad 9mm	210111	Data 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. So 9mm thickness products were selected.

### 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 Vinyl Tile Flooring

MANUFACTURING SITE	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
	Luxury Vinyl Tile 7mm	Beijing_IAQ-2021-004-FS_020921	Not Detected	ND	<b>PASS</b>	<b>PASS</b>	-
	Luxury Vinyl Tile 7mm	Beijing_IAQ-2021-004-FS_020921	TVOC	50.36	-	-	<b>0.5 mg/m<sup>3</sup> or less</b>
	Wood Plastic Composite (WPC) Flooring with pad 12mm	Beijing_IAQ-2021-005-FS_020921	Toluene	59.92	<b>PASS</b>	<b>PASS</b>	-
	Wood Plastic Composite (WPC) Flooring with pad 12mm	Beijing_IAQ-2021-005-FS_020921	TVOC	93.23	-	-	<b>0.5 mg/m<sup>3</sup> or less</b>
	Rigid Core Vinyl Tile with pad 9mm	Beijing_IAQ-2021-006-FS_021921	Not Detected	ND	<b>PASS</b>	<b>PASS</b>	-
	Rigid Core Vinyl Tile with pad 9mm	Beijing_IAQ-2021-006-FS_021921	TVOC	25.04	-	-	<b>0.5 mg/m<sup>3</sup> or less</b>

\*Key modeling parameters for the private office scenario include an air flow rate of 20.7 m<sup>3</sup>/hr and flooring surface area of 11.15m<sup>2</sup>.

\*\*Key modeling parameters for the school classroom scenario include an air flow rate of 191 m<sup>3</sup>/hr and a flooring surface area of 89.2m<sup>2</sup>.

The results for Changzhou Xinou New Material Technology Co., Ltd.'s Vinyl Tile Flooring products manufactured in 12 Park west road, Rulin Town, Jintan District, Changzhou City, Jiangsu Province, China demonstrate that all 35 targeted CREL VOCs listed in CDPH/EHLB 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/m<sup>3</sup> 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]	Beijing_IAQ-2021-004-FS_020921 Beijing_IAQ-2021-005-FS_020921 Beijing_IAQ-2021-006-FS_021921	The samples were tested by Beijing lab, 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]	Beijing_IAQ-2021-004-FS_020921 Beijing_IAQ-2021-005-FS_020921 Beijing_IAQ-2021-006-FS_021921	Results have been submitted in accordance with CDPH/EHLB Standard Method V1.2. Please refer to the attached test report.	<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]	COC Form	The sample was selected by Mr. Wang Zhaoxia and collected by Mr. Zhu Shouju, an authorized representative for Changzhou Xinou.	<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]	COC 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]	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 V4.0-Section 6.2]	COC form	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



## 2.0 QUALITY MANAGEMENT SYSTEM

Please refer to Changzhou Xinou New Material Technology Co., Ltd.'s 2021 Initial FloorScore Onsite Audit Report conducted on OSA Mar. 9, 2021 for detailed findings of the onsite audits conducted.

## APPENDIX

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### 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 CATEGORY	MANUFACTURING SITE	PRODUCT LINE	PRODUCT MODEL/ SKU NUMBER	RENEWAL YEAR	AUDITOR RATIONALE
Vinyl Tile Flooring		Wood Plastic Composite (WPC) Flooring with pad	12mm	2023	The products are considered low Priority. So the products require renewal testing every two year after initial certification.