

# FLOORCO TRADING LTD.

## TEST REPORT

**SCOPE OF WORK**

SPC FLOORING

**REPORT NUMBER**

230804003SHF-014

**TEST DATE(S)**

2023-08-04 - 2023-08-28

**ISSUE DATE**

2023-09-04

**PAGES**

6

**DOCUMENT CONTROL NUMBER**

LFT-APAC-SHF-OP-10k(September 1, 2022)

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



## Test Report

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## Test Report

Issue Date: 2023-09-04 Intertek Report No. 230804003SHF-014  
Applicant: FLOORCO TRADING LTD.  
Address: 118 CARBINE ROAD, MT WELLINGTON  
Attn: Terry SHI  
Test Type: Performance test, samples provided by the applicant.

### Product Information

Product Name	SPC FLOORING	Brand	/
Sample Description	Good Condition	Sample Amount	50pcs
		Received Date	2023-08-10
Sample ID	Model	Specification	
S230804003SHF.019	FLOORCO SPC FLOORING	8mm thickness (6mm+2mm EVA)	

### Test Methods And Standards

Test Standard	ASTM E90-09(R2016)
Specification Standard	ASTM E413-22
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

#### Note:

1.This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

### Report Authorized

  
  
Name: Jodie Zhou  
Title: Reviewer  
  
Name: Daniel Zhang  
Title: Project Engineer

# Test Report

Issue Date: 2023-09-04

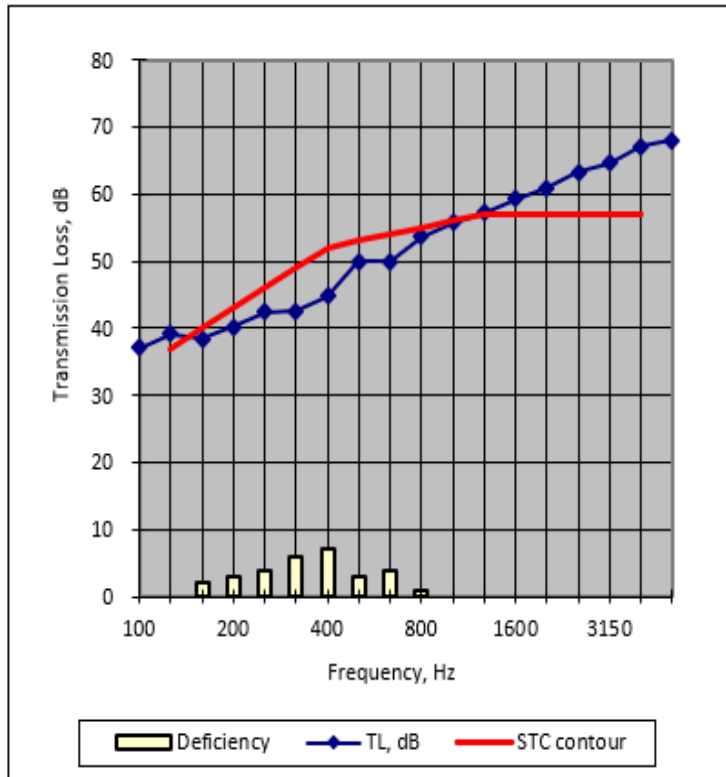
Intertek Report No. 230804003SHF-014

**Test Items, Method and Results:**

Test Item: Laboratory Measurements of Airborne Sound Transmission Loss  
 Test method: ASTM E90-09(R2016)  
 Temperature: 30 °C Relative Humidity: 70 %  
 Volume of Source Room: 77 m<sup>3</sup> Volume of Receiving Room: 112 m<sup>3</sup>  
 Specimen area: 12.5 m<sup>2</sup>  
 Floor Assemblies: The system consisted of 150mm thick concrete floor and the 8mm SPC HYBIRD FLOORING (including 2mm EVA underlayment) were placed on the concrete floor.

Mounting of the specimen: Floating installation with click joints

Frequency (Hz)	TL (dB)
100	37.1
125	39.1
160	38.4
200	40.2
250	42.4
315	42.6
400	44.7
500	50.0
630	50.0
800	53.6
1000	55.8
1250	57.3
1600	59.3
2000	60.9
2500	63.2
3150	64.7
4000	67.2
5000	68.0



**Calculated Sound Transmission Class: STC 53**

Note:

1. TL = Transmission loss
2. Classified STC in accordance with ASTM E413-22, Classification for Rating Sound Insulation. The methods of calculating single- number acoustical ratings for laboratory measurement of sound attenuation obtained in one-third octave bands.
3. The STC was for the whole floor assemblies.

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Issue Date: 2023-09-04

Intertek Report No. 230804003SHF-014

### Appendix A: Test Photos



Test set up



## Test Report

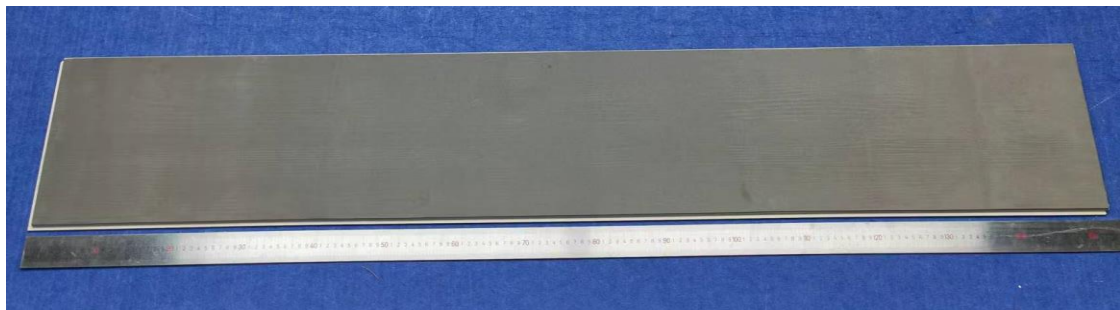
Issue Date: 2023-09-04

Intertek Report No. 230804003SHF-014

### Appendix B: Sample Received Photo



Front view(Test surface)



Back view

### Revision:

NO.	Date	Changes
230804003SHF-014	2023-09-04	First issue

