

# Lions Floor

## TEST REPORT

**SCOPE OF WORK**

SPC floors

**REPORT NUMBER**

240725011SHF-004

**TEST DATE(S)**

2024-07-25 - 2024-08-05

**ORIGINAL ISSUE DATE**

2024-08-05

**PAGES**

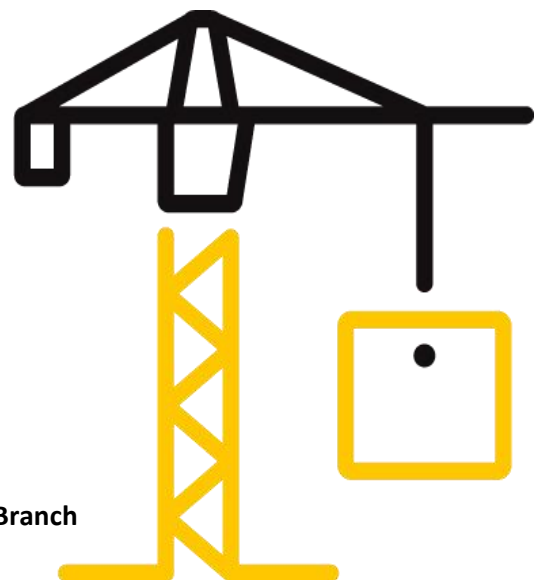
6

**DOCUMENT CONTROL NUMBER**

LFT-APAC-SHF-OP-10k(February 1, 2024)

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



## Test Report

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## Test Report

Original Issue Date: 2024-08-05

Intertek Report No. 240725011SHF-004

Applicant: Lions Floor

Address: 7300 somerset blvd, paramount, CA 90723

Attn: Jerry Guo

Manufacturer:

Address:

Test Type: Performance test, samples provided by the applicant.

### Product Information

Product Name	Model	Specification
SPC floors	Lone Star Spirit	1830*180*4.5+1.5mm
Sample ID	Sample Amount	Sample Received Date
S240725011SHF.017	72 pieces	2024-05-21
Sample Description		
1830*180*4.5+1.5mm		


### Test Methods And Standards

<b>Test Standard</b>	ASTM E90-23
<b>Specification Standard</b>	ASTM E413-22
<b>Test Conclusion</b>	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: Ozzy Cheng      Name: Daniel Zhang  
Title: Reviewer      Title: Project Engineer

# Test Report

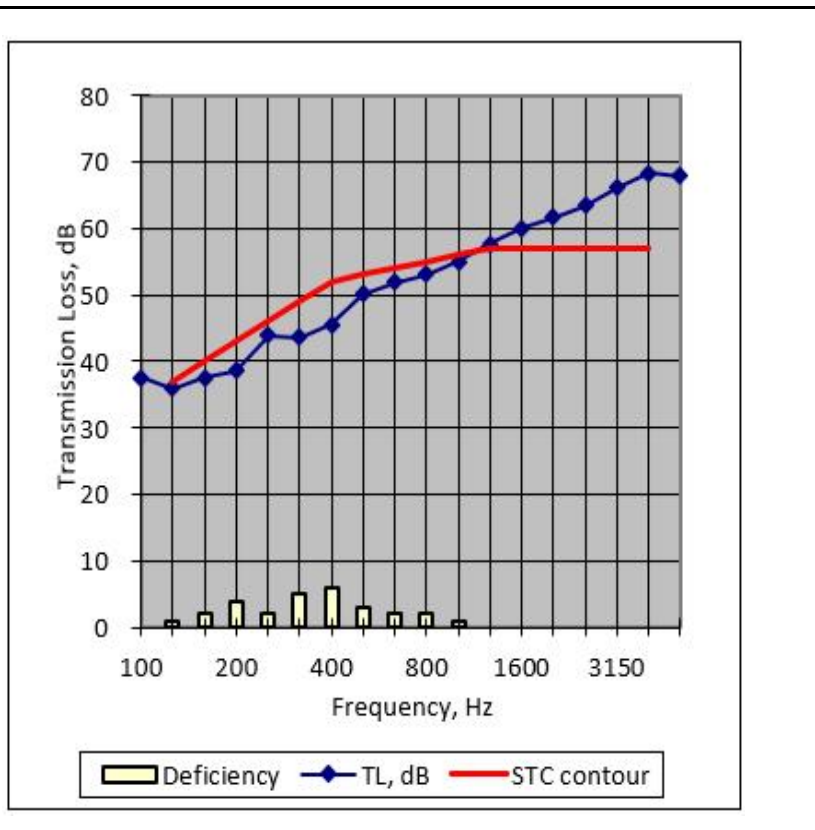
Original Issue Date: 2024-08-05

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**Test Items, Method and Results:**

Test Item: Laboratory Measurements of Airborne Sound Transmission Loss  
 Test method: ASTM E90-23  
 Temperature: 30 °C Relative Humidity: 80 %  
 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 6mm SPC floors(including 1.5mm EVA underlayment) were placed on the concrete floor.  
 Mounting of the specimen: Floating installation with click joints

Frequency (Hz)	TL (dB)
100	37.6
125	35.9
160	37.6
200	38.6
250	43.8
315	43.7
400	45.6
500	50.1
630	51.9
800	53.1
1000	55.0
1250	57.7
1600	60.0
2000	61.7
2500	63.4
3150	66.1
4000	68.3
5000	67.9



**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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### Appendix A: Test Photos



Test set up



# Test Report

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## Appendix B: Sample Received Photo



### Revision:

NO.	Date	Changes
240725011SHF-004	2024-08-05	First issue