

# Lions Floor

## TEST REPORT

**SCOPE OF WORK**

SPC floors

**REPORT NUMBER**

240725011SHF-005

**TEST DATE(S)**

2024-07-25 - 2024-08-05

**ORIGINAL ISSUE DATE**

2024-08-05

**PAGES**

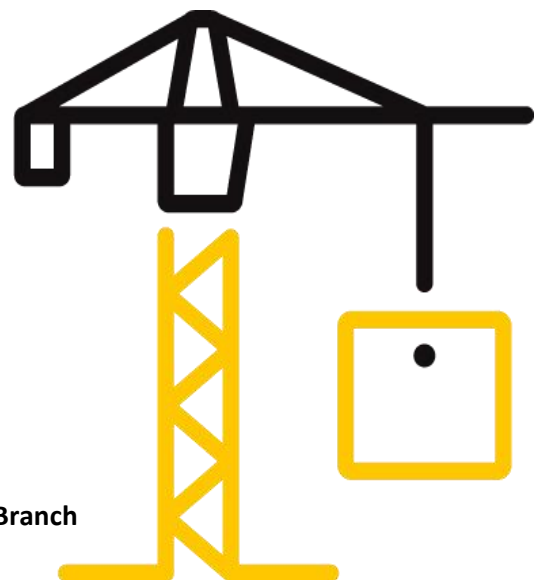
6

**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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- 8.Intertek B&C will service this report for the entire test record retention period. The test record retention period ends 6 years after this report original issue date. The test record retention period for certification program is 10 years. Test records and other pertinent project documentation will be retained for the entire test record retention period.
- 9.The report was digital signed by Shang Hai, Intertek Group plc, please using Adobe Acrobat Reader to verify the authenticity.



## Test Report

Original Issue Date: 2024-08-05

Intertek Report No. 240725011SHF-005

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 E492-22
<b>Specification Standard</b>	ASTM E989-21
<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

*Ozzy Chen*  *Daniel Zhang*  
Name: Ozzy Chen Name: Daniel Zhang  
Title: Reviewer Title: Project Engineer

## Test Report

Original Issue Date: 2024-08-05

Intertek Report No. 240725011SHF-005

### Test Items, Method and Results:

Test Item: Laboratory Measurement of Impact Sound Transmission

Test method: ASTM E492-22

Temperature: 30 °C Relative Humidity: 80 %

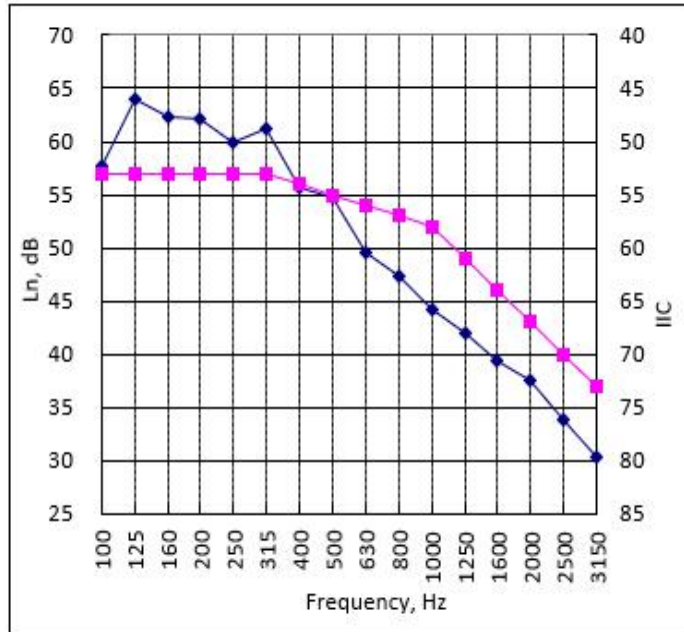
Volume of Source Room: 77 m<sup>3</sup> Volume of Receiving Room: 112 m<sup>3</sup>

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: Laying on the floor

Frequency (Hz)	Ln (dB)
100	58
125	64
160	62
200	62
250	60
315	61
400	56
500	55
630	50
800	47
1000	44
1250	42
1600	39
2000	38
2500	34
3150	30



**Calculated Impact Insulation Class: IIC 55**

Note:

1. Ln = Normalized Impact Sound Pressure Level
2. Classified IIC in accordance with ASTM E989-21, Standard Classification for Determination of Impact Insulation Class. This classification was used with one-third octave bands.
3. The IIC 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-005	2024-08-05	First issue