

Lions Floor

TEST REPORT

SCOPE OF WORK

SPC floors

REPORT NUMBER

240725011SHF-006

TEST DATE(S)

2024-07-25 - 2024-08-05

ORIGINAL ISSUE DATE

2024-08-05

PAGES

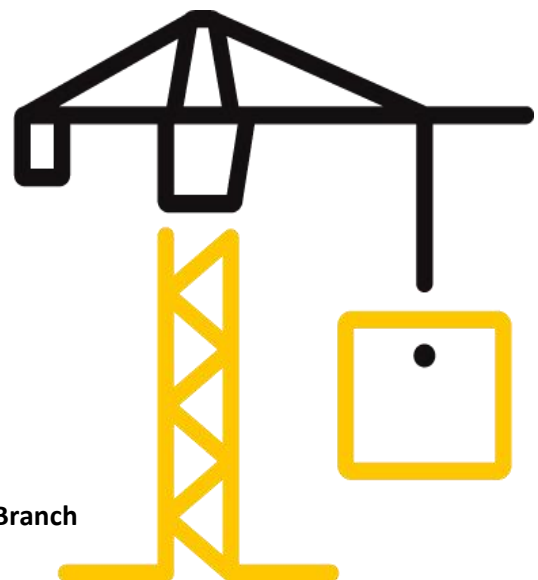
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DOCUMENT CONTROL NUMBER

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-006

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	Grande	1213*181*4.5mm+1.5mm
Sample ID	Sample Amount	Sample Received Date
S240725011SHF.034	110 pieces	2024-05-21
Sample Description		
1213*181*4.5mm+1.5mm		


Test Methods And Standards

Test Standard	ASTM E90-23
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


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

Test Report

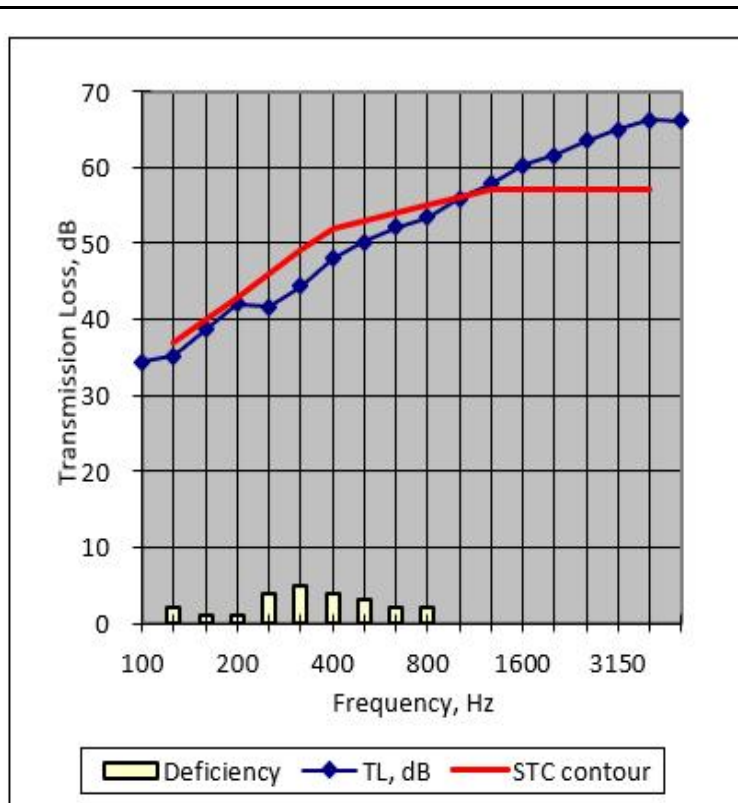
Original Issue Date: 2024-08-05

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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 m³ Volume of Receiving Room: 112 m³
 Specimen area: 12.5 m²
 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	34.5
125	35.1
160	38.7
200	42.0
250	41.6
315	44.3
400	48.0
500	50.2
630	52.1
800	53.4
1000	55.9
1250	57.8
1600	60.3
2000	61.6
2500	63.6
3150	64.9
4000	66.2
5000	66.2



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-006	2024-08-05	First issue