

Lions Floor

TEST REPORT

SCOPE OF WORK

WPC floors

REPORT NUMBER

240726001SHF-003

TEST DATE(S)

2024-07-26 - 2024-08-05

ORIGINAL ISSUE DATE

2024-08-05

PAGES

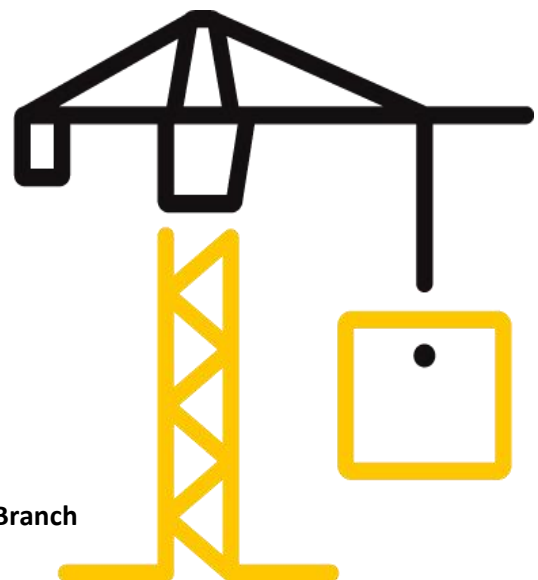
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DOCUMENT CONTROL NUMBER

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. 240726001SHF-003

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
WPC floors	Canyon Coast	1830*224.8*8+2mm
Sample ID	Sample Amount	Sample Received Date
S240726001SHF.017	56 pieces	2024-05-31
Sample Description		
1830*224.8*8+2mm		

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


Name: Ozzy Cheng Name: Daniel Zhang
Title: Reviewer Title: Project Engineer

Test Report

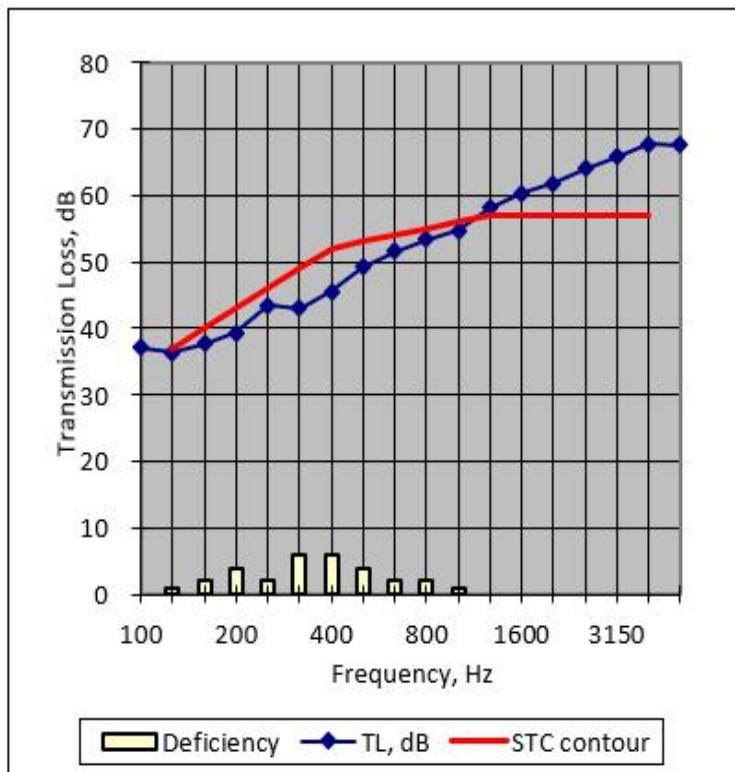
Original Issue Date: 2024-08-05

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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 m³ Volume of Receiving Room: 112 m³
 Specimen area: 12.4 m²
 Floor Assemblies: The system consisted of 150mm thick concrete floor and the 10mm WPC floors(including 2mm EVA underlayment) were placed on the concrete floor.
 Mounting of the specimen: Floating installation with click joints

Frequency (Hz)	TL (dB)
100	37.2
125	36.4
160	37.7
200	39.3
250	43.5
315	43.0
400	45.5
500	49.2
630	51.6
800	53.3
1000	54.7
1250	58.1
1600	60.3
2000	61.9
2500	64.0
3150	65.8
4000	67.7
5000	67.6



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



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Appendix B: Sample Received Photo



Revision:

NO.	Date	Changes
240726001SHF-003	2024-08-05	First issue