

JIANGSU YMK FLOOR CO., LTD

TEST REPORT

SCOPE OF WORK

SPC floor

REPORT NUMBER

230502002SHF-001

TEST DATE(S)

2023-05-02 - 2023-05-10

ISSUE DATE

2023-05-10

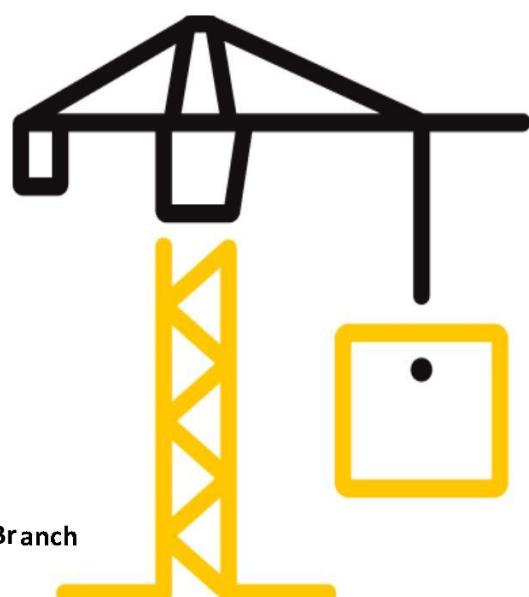
PAGES

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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(May 1, 2021)

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Test Report

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Test Report

Issue Date: 2023-05-10 Intertek Report No. 230502002SHF-001

Applicant: JIANGSU YMK FLOOR CO., LTD

Address: No.10 XinrongRD, Henglin, Changzhou, Jiangsu, China 213103

Attn: WU CHENG

Manufacturer: JIANGSU YMK FLOOR CO., LTD

Address: No.10 XinrongRD, Henglin, Changzhou, Jiangsu, China 213103

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

Product Information

Product Name	SPC floor	Brand	/
Sample Description	Good Condition	Sample Amount	48pcs
		Received Date	2023-04-28
Sample ID	Model	Specification	
S230502002SHF.001	/	Overall thickness: 8.0mm (including 1.5mm IXPE underlayment)	

Test Methods And Standards

Test Standard	ASTM E90-09(R2016)
Specification Standard	ASTM E413-16
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1. This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.

Report Authorized


 Jodie Zhou Jackie Zhou
 Name: Jodie Zhou Name: Jackie Zhou
 Title: Reviewer Title: Project Engineer

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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: 80 %

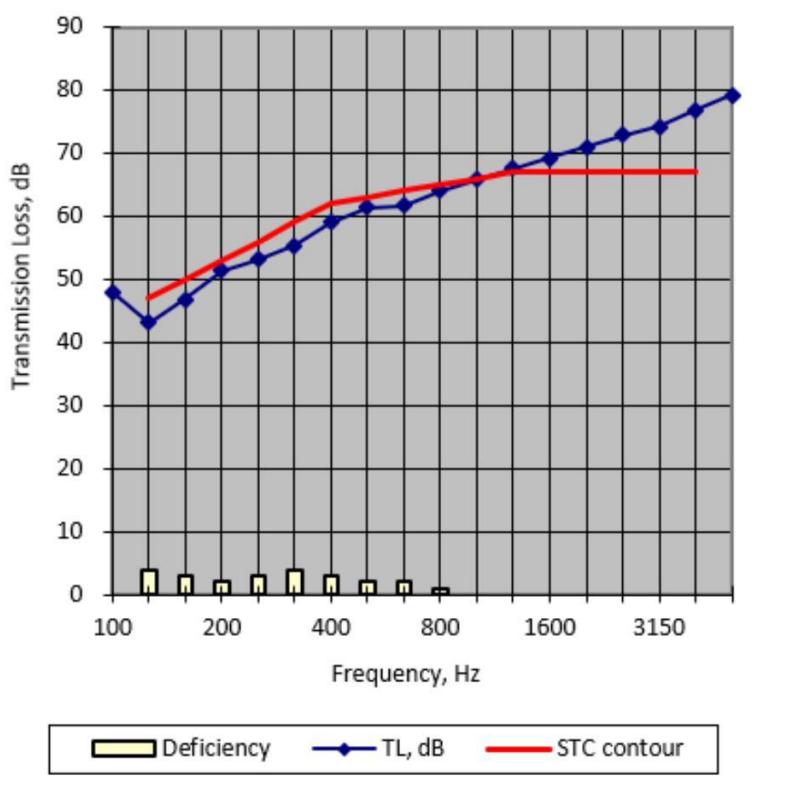
 Volume of Source Room: 77 m³ Volume of Receiving Room: 104 m³

 Specimen area: 27.4 m²

Floor-Ceiling Assemblies: The system consisted of 150mm thick concrete floor with a drop ceiling below forming the horizontal separation between two room, one directly above the other. The drop ceiling consisted of 350mm deep light steel bar joists spaced 1200mm on centre. Two layers of 12mm thick gypsum boards were fixed on the bar. The 50mm thick glass wool batts were placed in the 350mm space. The 8.0mm SPC floor including 1.5mm IXPE underlayment were placed on the concrete floor.

Mounting of the specimen: Floating installation with click joints

Frequency (Hz)	TL (dB)
100	47.9
125	43.1
160	46.7
200	51.4
250	53.2
315	55.4
400	59.0
500	61.4
630	61.7
800	64.0
1000	65.8
1250	67.5
1600	69.1
2000	71.0
2500	72.9
3150	74.2
4000	76.8
5000	79.2



Calculated Sound Transmission Class: STC 63

Note:

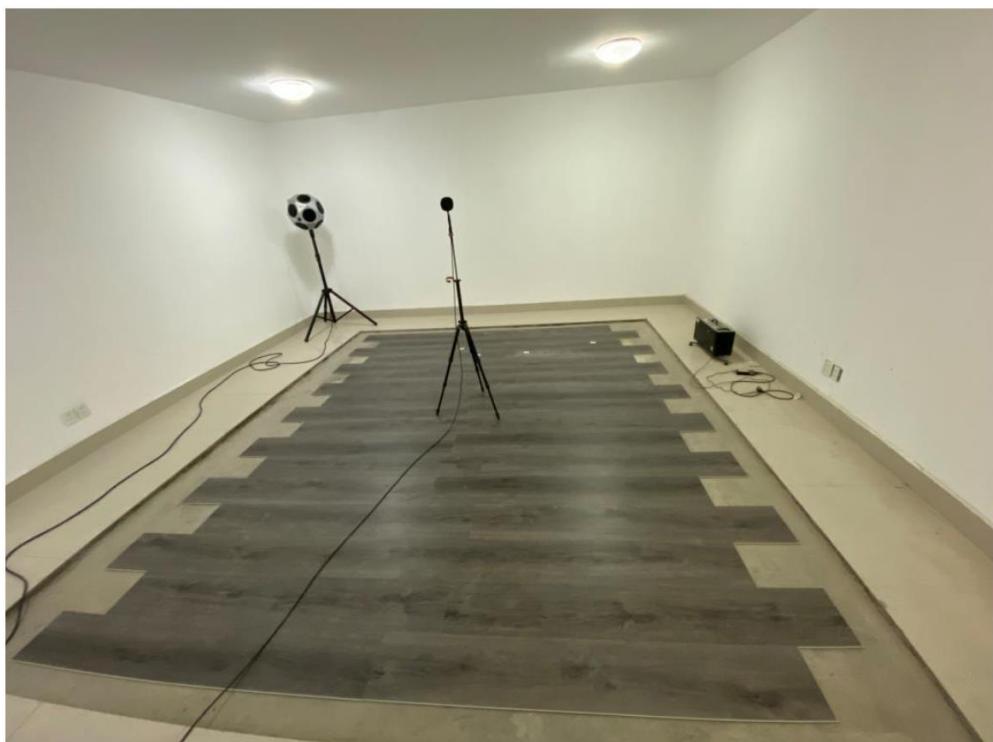
1. TL = Transmission loss
2. Classified STC in accordance with ASTM E413-16, Classification for Rating Sound Insulation. The methods of calculating single- number acoustical ratings for laboratory measurement of sound attenuation obtained in one-third octave bands.
3. The STC was for the whole floor-ceiling assemblies.
4. The calculation area was equal to the drop ceiling area 27.4 square meter.

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Test Photos:



Test set up



Ceiling Assembly

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Appendix A: Sample Received Photo**Revision:**

NO.	Date	Changes
230502002SHF-001	2023-05-10	First issue