

NorthStar Flooring

TEST REPORT

SCOPE OF WORK

LVT

REPORT NUMBER

240830002SHF-003

TEST DATE(S)

2024-08-30 - 2024-09-14

ORIGINAL ISSUE DATE

2024-09-14

PAGES

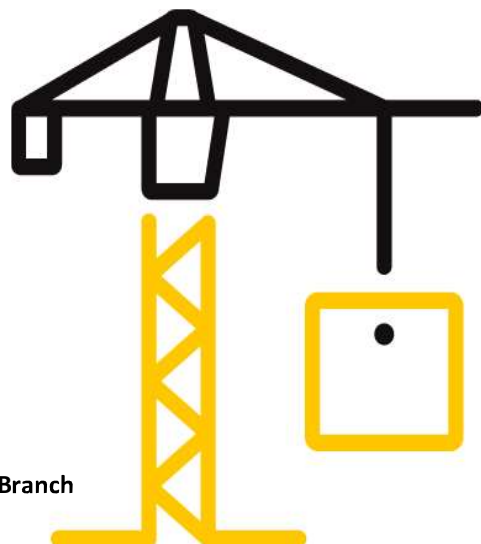
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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10I(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: 2024-09-14

Intertek Report No. 240830002SHF-003

Applicant: NorthStar Flooring

Address: 6305 Allentown Blvd. Harrisburg, PA 17112

Skip Mason

Attn:

Manufacturer: NorthStar Flooring

Address: 6305 Allentown Blvd. Harrisburg, PA 17112

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

Product Information

Product Name	Model	Specification
LVT	/	1220*177.8*2.5mm/0.5+ 1.5mmIXPE
Sample ID	Sample Amount	Sample Received Date
S240830002SHF.013	70pcs	2024-08-28
Sample Description		
1220*177.8*4mm(including wear layer 0.5mm, 1.5mm backing layer)		

Test Methods And Standards

Test Standard	ASTM E492-22
Specification Standard	ASTM E989-21
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 Title: Reviewer
Name: Roger Chen Title: Project Engineer

Test Report

Original Issue Date: 2024-05-27

Intertek Report No. 240418017SHF-007

Test Items, Method and Results:

Test Item: Laboratory Measurement of Impact Sound Transmission

Test method: ASTM E492-22

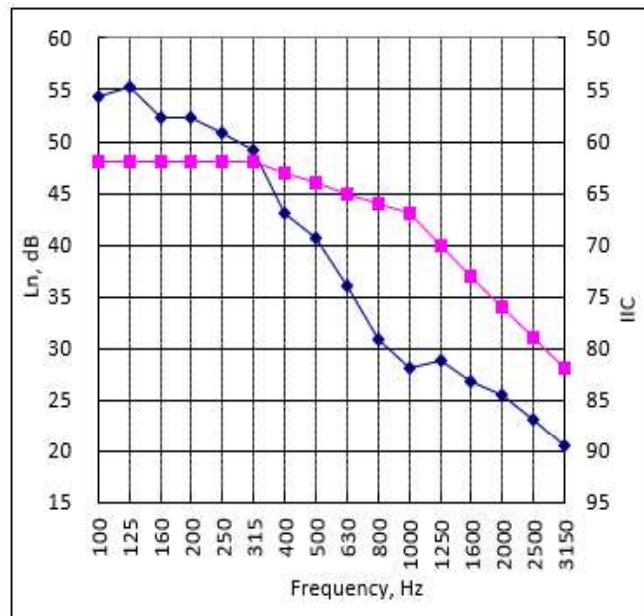
Temperature: 30 °C Relative Humidity: 80 %

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

Specimen area: 12.4 m²

Floor-Ceiling Assemblies: The system consisted of 150mm thick concrete floor with a drop ceiling below forming the vertical 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. 50mm thick glass wool batts were placed in the 350mm space. The 4mm Regular LVT Flooring (including 1.5mm IXPE underlayment) were placed on the concrete floor.

Frequency (Hz)	Ln (dB)
100	54
125	55
160	52
200	52
250	51
315	49
400	43
500	41
630	36
800	31
1000	28
1250	29
1600	27
2000	25
2500	23
3150	21



Calculated Impact Insulation Class: IIC 64

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-ceiling assemblies.

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Original Issue Date: 2024-09-14

Intertek Report No. 240830002SHF-003

Appendix A: Test Photos



Test set up



Ceiling assembly



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Appendix B: Sample Received Photo



Revision:

NO.	Date	Changes
240830002SHF-003	2024-09-14	First issue