

GOLD LION™ Flooring



REPORT NUMBER

171205011SHF-BP-1

ISSUE DATE

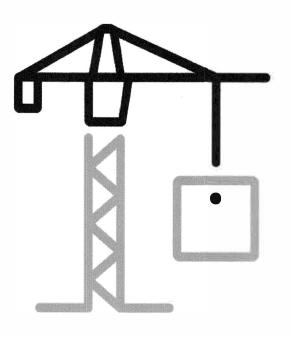
2017/12/21

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Test Report

Issue Date:

2017/12/21

Intertek Report No. 171205011SHF-BP-1

Applicant:

GOLD LION™ Flooring

Applicant Address:

No.2 Huashanhui Road, Huangwan Town, Haining, Jiaxing, Zhejiang, China

Attn:

Bob

SUBJECT:

Performance testing

VINYL FLOORING

Dear Sir,

This test report for represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following standards:

TEST METHODS AND STANDARDS	
Refer to the next following Pages.	

SAMPLE ID	MODEL	SPECIFICATION	
S171205011SHF.001~005	/	1220*183 * 5.5+1.5mm IXPE	

SAMPLE RECEIEVED:

2017/11/28

TESTED FROM:

2017/12/5

2017/12/21

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LFT-APAC-SHF-OP-10a Version: 1-September-2017



Issue Date: 2017/12/21 Intertek Report No. 171205011SHF-BP-1

Test Items, Method and Results:

Test Method: ASTM E492-09

Temperature: 25°C Relative Humidity: 65% Specimen area: 12.8m²

Volume of the receiving room: 121m3

Floor/ceiling Assembly: The system consisted of 150mm thick concrete floor which had a 1.5mm sound insulation

pad installed on the top of it. The 7.0 mm flooring specimens were then placed on the top

of the insulation pad.

Frequency (Hz)	L _n (dB)				
100	73	00			
125	78	90 20			
160	80	85 25			
200	79	80 30			
250	79	75			
315	77				
400	78				
500	76	65 45 9			
630	73	60 50			
800	71				
1000	67	55 55			
1250	64	50 60			
1600	61	45 65			
2000	60	1000 1000 1250 2000 2500 1000 1000 1000			
2500	58	Frequency, Hz			
3150	54				
IIC=		73			

Calculated Impact Insulation Class: IIC73

Note:

- 1. L₀ = Normalized Sound Pressure Level for Covering over Floor/ceiling System
- Classified IIC in accordance with ASTM E989-12, Standard Classification for Determination of Impact Insulation Class.
- 3. The IIC was for the whole floor/ceiling assembly system.



Issue Date:

2017/12/21

Intertek Report No. 171205011SHF-BP-1

Test Items, Method and Results:

Test Method: ASTM E90-09

Temperature: 25°C Relative Humidity: 65% Specimen area: 12.8m²

Volume of the receiving room: 121m3

Floor/ceiling Assembly: The system consisted of 150mm thick concrete floor which had a 1.5mm sound insulation

pad installed on the top of it. The 7.0 mm flooring specimens were then placed on the top

of the insulation pad.

Frequency (Hz)	TL (dB)	
100	62.2	
125	56.9	90
160	60.1	80
200	59.7	
250	60.2	70
315	63.7	
400	65.6	· sg 60
500	68.0	50 S 50
630	70.0	Transmission Loss, 40
800	72.1	5 40
1000	74.6	30
1250	76.5	
1600	78.7	100 200 400 800 1600 3150
2000	79.9	Frequency, Hz
2500	81.1	Trequency, in
3150	81.9	Deficiency — TL, dB — STC contour
4000	83.8	
5000	86.7	Sound Transmission Class (STC) 72

Calculated Sound Transmission Class: STC 72

Note:

- 1. TL= Transmission loss, the partition was the Floor/ceiling Assembly System.
- 2. Classified STC in accordance with ASTM E413-10, Classification for Rating Sound Insulation.
- 3. The STC was for the whole floor/ceiling assembly system.

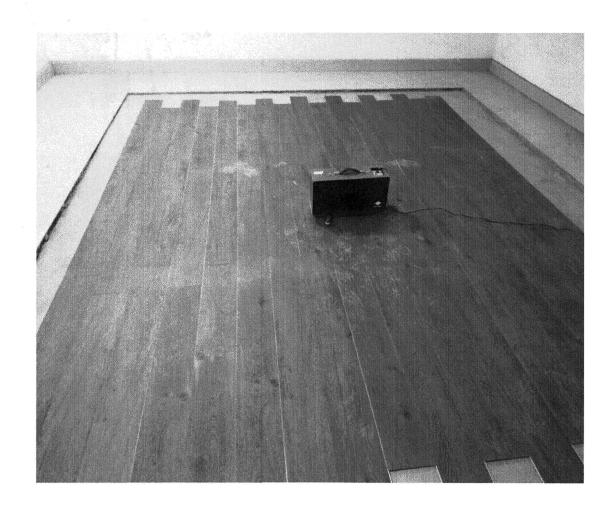


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Test Photos for Impact Sound Insulation:



Test set up

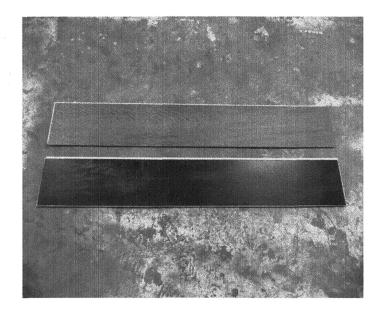


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APPENDIX: SAMPLE RECEIVED PHOTO



REPORT AUTHORIZED

When signed with physical or electronic signature, the contents of this report have been prepared and approved per Intertek's quality process in accordance with ISO 17025.

Name:

Jodie Zhou

Title: Approver

Name: Mason Wang

Title: Reviewer

Name: Will Tan

Title: Project Engineer

Revision:

NO.	DATE	CHANGES	AUTHOR	REVIEWER
171205011SHF-BP-1	2017/12/21	First issue	Will Tan	Mason Wang