

# **GOLD LION™ Flooring**



#### **REPORT NUMBER**

171205010SHF-BP-1

#### **ISSUE DATE**

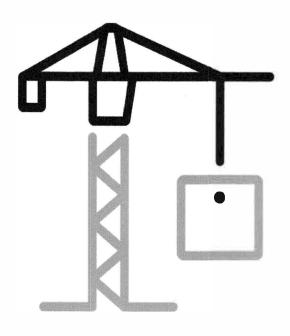
2017/12/21

#### **PAGES**

6

#### **DOCUMENT CONTROL NUMBER**

LFT-APAC-SHF-OP-15a
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Website: www.intertek.com

### **Test Report**

Issue Date:

2017/12/21

Intertek Report No. 171205010SHF-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		
S171205010SHF.001~005	/	1220*183 * 4.0+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. 171205010SHF-BP-1

#### **Test Items, Method and Results:**

Test Method: ASTM E492-09

Temperature: 25°C Relative Humidity: 65% Specimen area: 12.8m<sup>2</sup>

Volume of the receiving room: 121m<sup>3</sup>

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 5.5 mm flooring specimens were then placed on the top

of the insulation pad.

Frequency (HZ)	L <sub>n</sub> (dB)	
100	65	90 20
125	70	85 25
160	72	
200	71	80 30 30
250	71	<u>π</u> 75 35
315	69	5 70
400	70	
500	68	65 45 ≅
630	65	60 50
800	63	55 55
1000	59	
1250	56	50 60
1600	53	45 65
2000	52	100 125 160 200 200 200 630 630 630 630 1150 1600 2500 2500 3150
2500	50	Frequency, Hz
3150	46	
IIC=		62

Weighted improvement of impact sound insulation	ΔLw=	20	dB	
Spectrum adaptation	C <sub>i∆</sub> =	-10	dB	

#### Note:

- 1. These results are based on test made with an artificial source under laboratory conditions .
- 2. Ln,0 = Normalized Sound Pressure Level for Bare standard concrete floor
- ΔL = Reduction of impact sound pressure level after floor covering
- ΔLw = Weighted reduction of impact sound pressure level
- $C_{i\Delta}$  = Spectrum adaptation term



Issue Date:

2017/12/21

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Test Method: ASTM E90-09

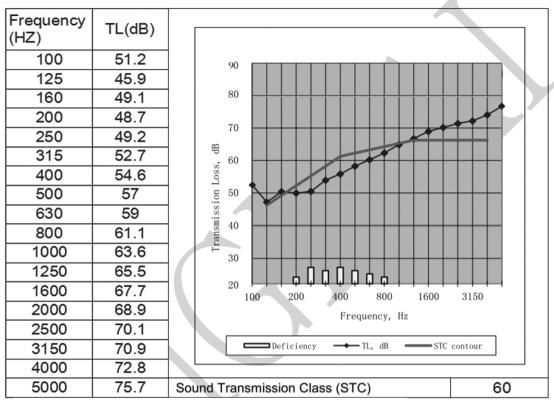
Temperature: 25°C Relative Humidity: 65% Specimen area: 12.8m<sup>2</sup>

Volume of the receiving room: 121m<sup>3</sup>

Floor/ceiling Assembly: The system consisted of 150mm thick concrete floor which had a 15mm sound insulation

pad installed on the top of it. The 5.5 mm flooring specimens were then placed on the top

of the insulation pad.



#### Rating according to ISO 717-2:2013, the $\Delta$ Lw was shown below.

Weighted improvement of impact sound insulation	ΔLw=	20	dB	
Spectrum adaptation	C <sub>I∆</sub> =	-10	dB	

#### Note:

- 1. These results are based on test made with an artificial source under laboratory conditions .
- 2. Ln,0 = Normalized Sound Pressure Level for Bare standard concrete floor
- ΔL = Reduction of impact sound pressure level after floor covering
- ΔLw = Weighted reduction of impact sound pressure level
- $C_{i\Delta}$  = Spectrum adaptation term

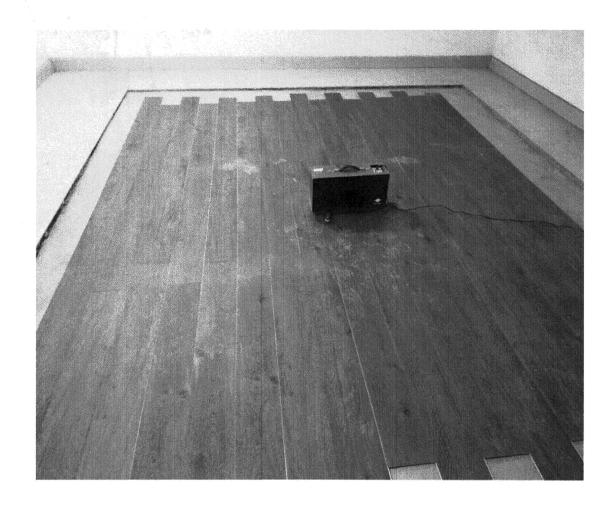


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**Test Photos for Impact Sound Insulation:** 



Test set up

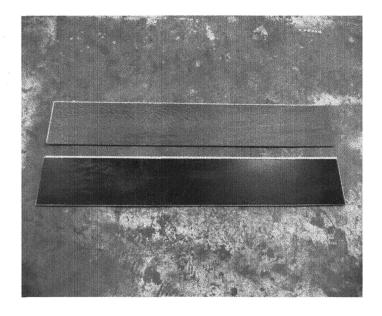


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**APPENDIX: SAMPLE RECEIVED PHOTO** 



#### **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:**

200	DATE	CHANCES	I AUTHOR	I DEVUENATED
NO.	DATE	CHANGES	AUTHOR	REVIEWER
171205010SHF-BP-1	2017/12/21	First issue	Will Tan	Mason Wang