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GOLD LION™ Flooring

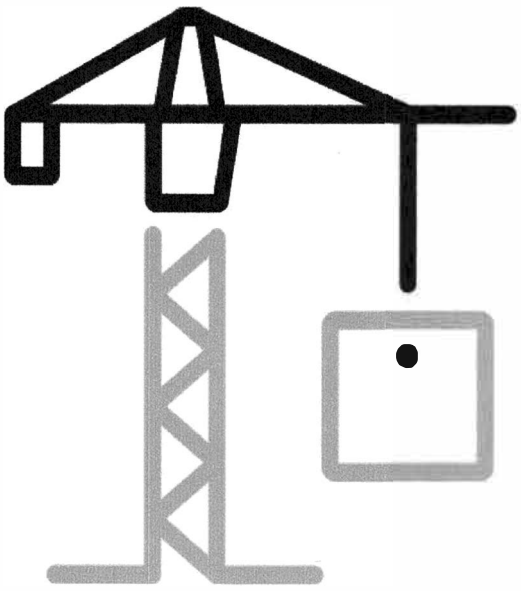
PERFORM SERIES

REPORT NUMBER
171205010SHF-BP-1

ISSUE DATE
2017/12/21

PAGES
6

DOCUMENT CONTROL NUMBER
LFT-APAC-SHF-OP-15a



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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 TO 2017/12/21

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Test Report

Issue Date: 2017/12/21 Intertek Report No. 171205010SHF-BP-1

Test Items, Method and Results:

Test Method: ASTM E492-09

Temperature: 25ºC

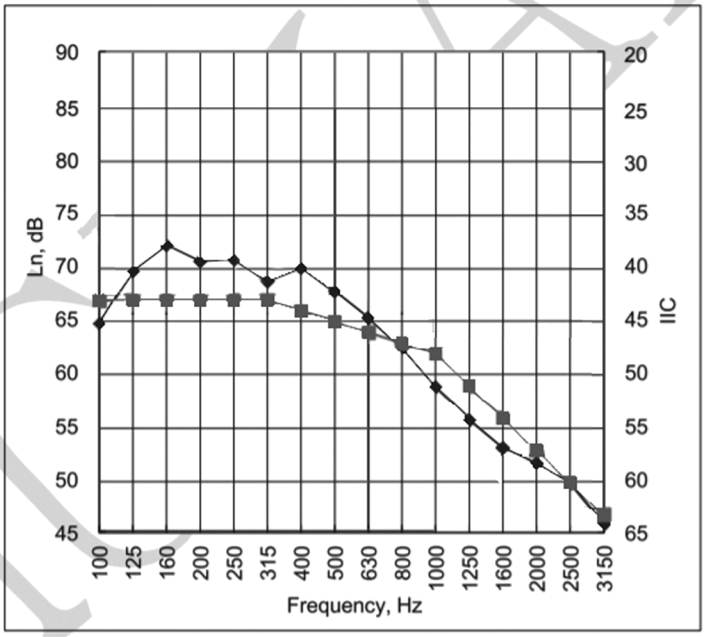
Relative Humidity: 65%

Specimen area: 12.8m^2

Volume of the receiving room: 121m^3

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_n(dB)
100	65
125	70
160	72
200	71
250	71
315	69
400	70
500	68
630	65
800	63
1000	59
1250	56
1600	53
2000	52
2500	50
3150	46
IIC=	62



Weighted improvement of impact sound insulation	ΔLw=	20	dB
Spectrum adaptation	$C_{IΔ}$=	-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
   $C_{IΔ}$ = Spectrum adaptation term

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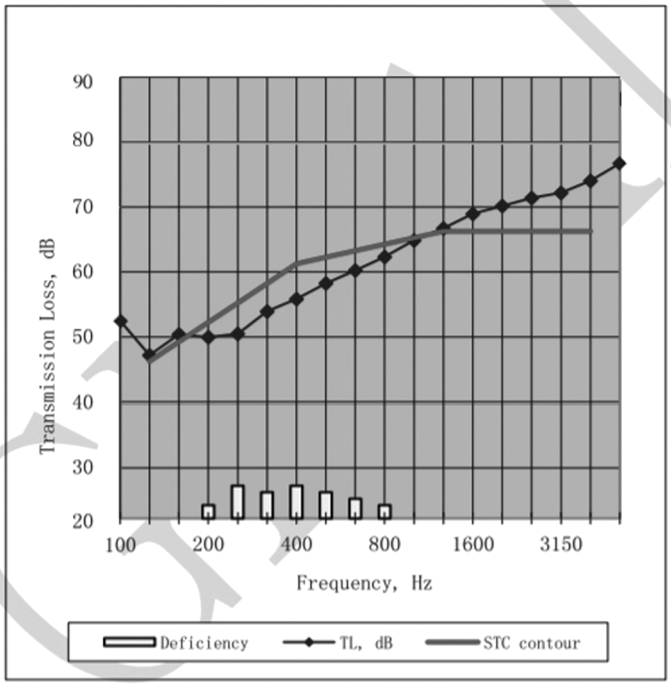
Test Report

Issue Date: 2017/12/21 Intertek Report No. 171205010SHF-BP-1

Test Method: ASTM E90-09
Temperature: 25°C
Relative Humidity: 65%
Specimen area: 12.8m^2
Volume of the receiving room: 121m^3
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)	TL(dB)
100	51.2
125	45.9
160	49.1
200	48.7
250	49.2
315	52.7
400	54.6
500	57
630	59
800	61.1
1000	63.6
1250	65.5
1600	67.7
2000	68.9
2500	70.1
3150	70.9
4000	72.8
5000	75.7



Sound Transmission Class (STC)	60

Rating according to ISO 717-2:2013, the ΔLw was shown below.

Weighted improvement of impact sound insulation	ΔLw=	20	dB
Spectrum adaptation	$C_{I\Delta}$=	-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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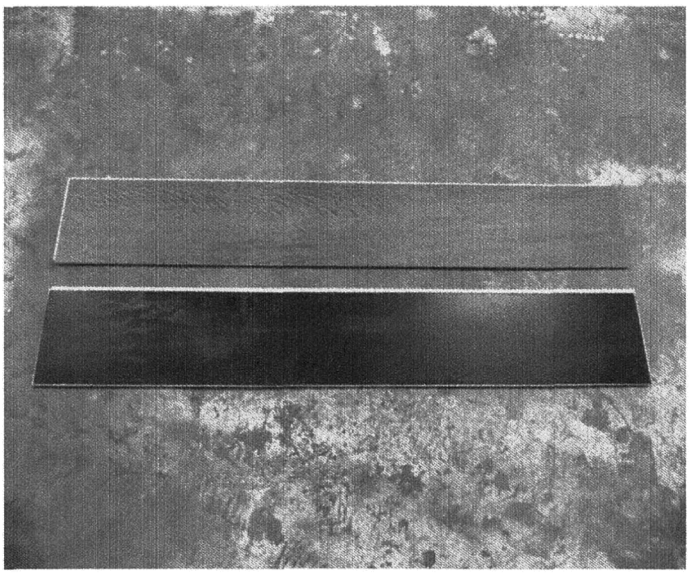
APPENDIX: SAMPLE RECEIVED PHOTO



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.

INTERTEK TESTING SERVICES LTD., SHANGHAI 英标检测技术服务有限公司 检验检测专用章

Name: Jodie Zhou
Title: Approver

Name: Mason Wang
Title: Reviewer

Name: Will Tan
Title: Project Engineer

Revision:

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