

PRO-TEK™ Flooring

TEST REPORT

REPORT NUMBER

171205004SHF-BP-1

ISSUE DATE

2017/12/21

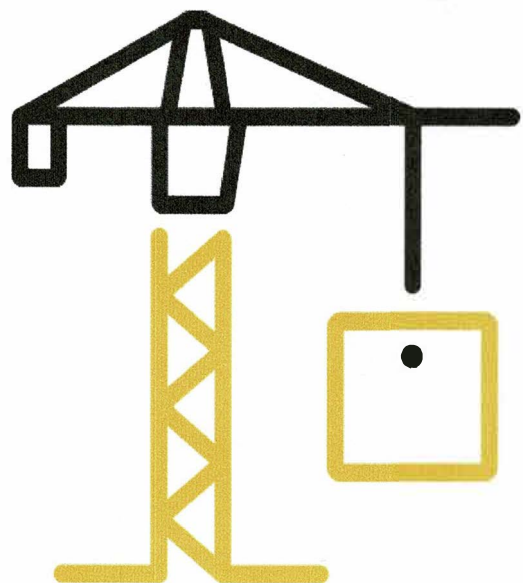
PAGES

9

DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10a

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Test Report

Issue Date: 2017/12/21

Intertek Report No. 171205004SHF-BP-1

Applicant: PRO-TEK™ Flooring

Applicant Address: PRO-TEK™ Flooring, London, United Kingdom

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 |
|-----------------------|-------|-------------------------|
| S171205004SHF.001~005 | / | 1220*180*6.5+1.5mm IXPE |
| | | |

SAMPLE RECEIVED: 2017/11/28

TESTED FROM: 2017/12/5 TO 2017/12/21

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Test Items, Method and Results:

Test method: ISO 10140-3:2010+A1:2015

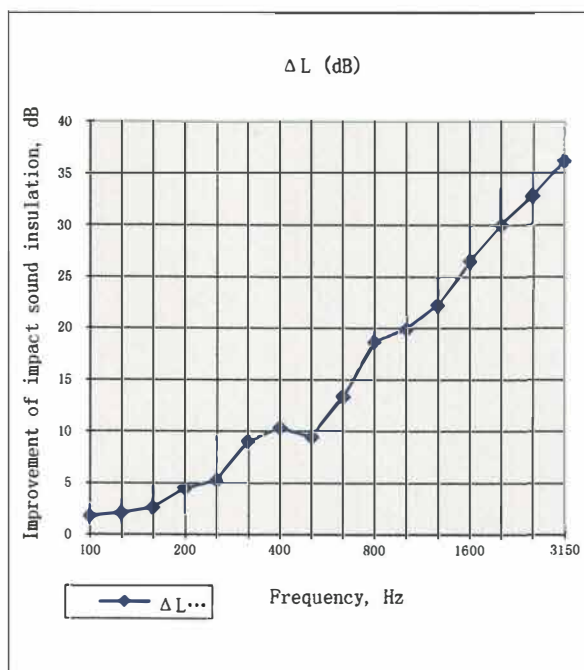
Temperature: 11 °C

Relative Humidity: 42 %

Specimen area: 11.2 m²

Specimen: The system consisted of 150mm thick concrete floor and the 8.0mm WPC flooring(with 1.5mm IXPE underlayment on the back) were placed on the concrete floor.

| Frequency (Hz) | Ln,0 (dB) | ΔL (dB) |
|----------------|-----------|---------|
| 100 | 59.7 | 1.8 |
| 125 | 64.7 | 2.1 |
| 160 | 64.6 | 2.6 |
| 200 | 69.4 | 4.5 |
| 250 | 67.2 | 5.3 |
| 315 | 66.9 | 9.0 |
| 400 | 67.0 | 10.3 |
| 500 | 66.8 | 9.4 |
| 630 | 67.4 | 13.3 |
| 800 | 66.8 | 18.6 |
| 1000 | 65.7 | 19.9 |
| 1250 | 66.7 | 22.2 |
| 1600 | 66.4 | 26.5 |
| 2000 | 65.5 | 30.0 |
| 2500 | 65.1 | 32.8 |
| 3150 | 64.7 | 36.2 |



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

| | | | |
|---|-------------------|-----|----|
| Weighted improvement of impact sound insulation | ΔL _w = | 20 | dB |
| Spectrum adaptation | C _{1Δ} = | -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

ΔL_w = Weighted reduction of impact sound pressure level

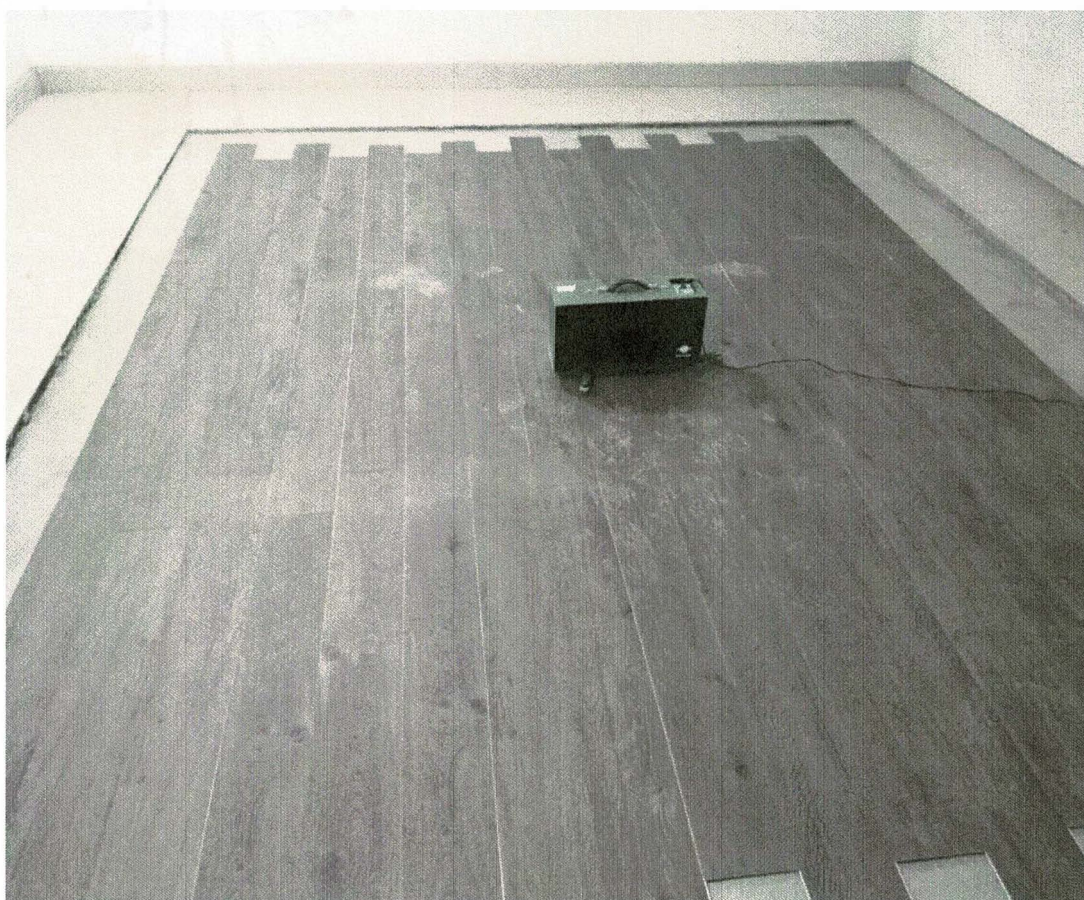
C_{1Δ} = Spectrum adaptation term

Test Report

Issue Date: 2017/12/21

Intertek Report No. 171205004SHF-BP-1

Test Photos for Impact Sound Insulation:



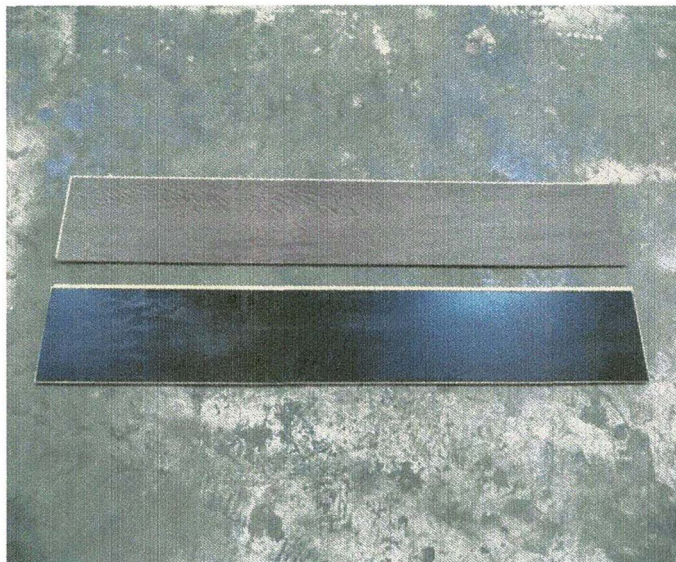
Test set up

Test Report

Issue Date: 2017/12/21



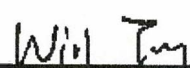
Intertek Report No. 171205004SHF-BP-1

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 |
|-------------------|------------|-------------|----------|------------|
| 171205004SHF-BP-1 | 2017/12/21 | First issue | Will Tan | Mason Wang |