

Protek Flooring Ltd.

TEST REPORT

SCOPE OF WORK

Protek Editions - Dittam Grey

REPORT NUMBER

200827004SHF-001-R1

TEST DATE(S)

2020-08-27 - 2020-09-09

ISSUE DATE

2020-09-09

REVISED DATE

2020-09-11

PAGES

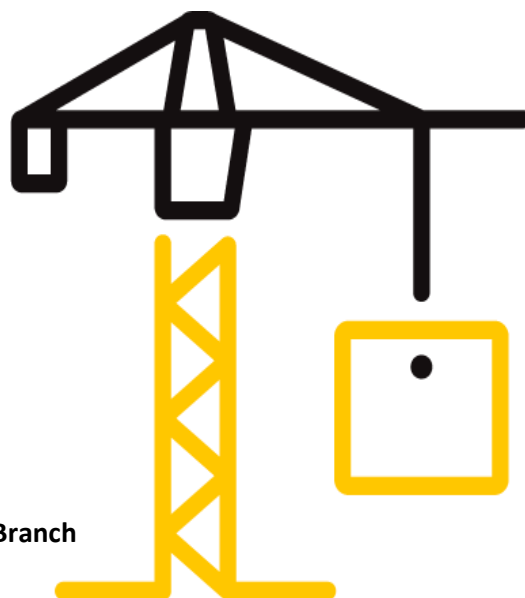
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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(May 1, 2020)

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Issue Date: 2020-09-11 Intertek Report No. 200827004SHF-001-R1
Applicant: Protek Flooring Ltd.
Address: Unit 21, Mitcham Industrial Estate, Streatham Road, Mitcham, Surrey, CR4 2AP
Attn: Jenny sun
Manufacturer : Anhui Hanhua Building Materials Technology Co., Ltd
Address : West Jinqiao Road No. 16, Langxi Economic Development Zone, Xuancheng, Anhui Province, China
Test Type : Performance test, samples provided by the applicant.

Product Information

| | | | |
|---------------------------|-------------------------------|-------------------------------------|-----------------|
| Product Name | Protek Editions - Dittam Grey | Brand | Protek Flooring |
| Sample Description | Good Condition | Sample Amount | 72pcs |
| | | Received Date | 2020-08-26 |
| Sample ID | Model | Specification | |
| S200827004SHF.001 | SPC11P | 1220 X150 X 5mm | |
| | | (including 1.0mm IXPE underlayment) | |


Test Methods And Standards

| | |
|-------------------------------|--|
| Test Standard | ISO 10140-3:2010/Amd.1:2015(E) |
| Specification Standard | ISO 717-2:2013 |
| Test Conclusion | The samples were tested according to the above standards, and the results are shown in the following page. |

Note:

1.This report relates specifically to the sample(s) that were drawn and provided by the applicant or their nominated third party. The reported result(s) provide no warranty or verification on the sample(s) representing any specific goods and/or shipment and only relate to the sample(s) as received and tested.

Report Authorized


Name: Mason Wang Title: Reviewer
Name: Jackie Zhou Title: Project Engineer

Test Report

Issue Date: 2020-09-11

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Test Items, Method and Results:

Test Item: Laboratory measurements of impact sound insulation

Test method: ISO 10140-3:2010/Amd.1:2015(E)

Temperature: 27 °C Relative Humidity: 90 %

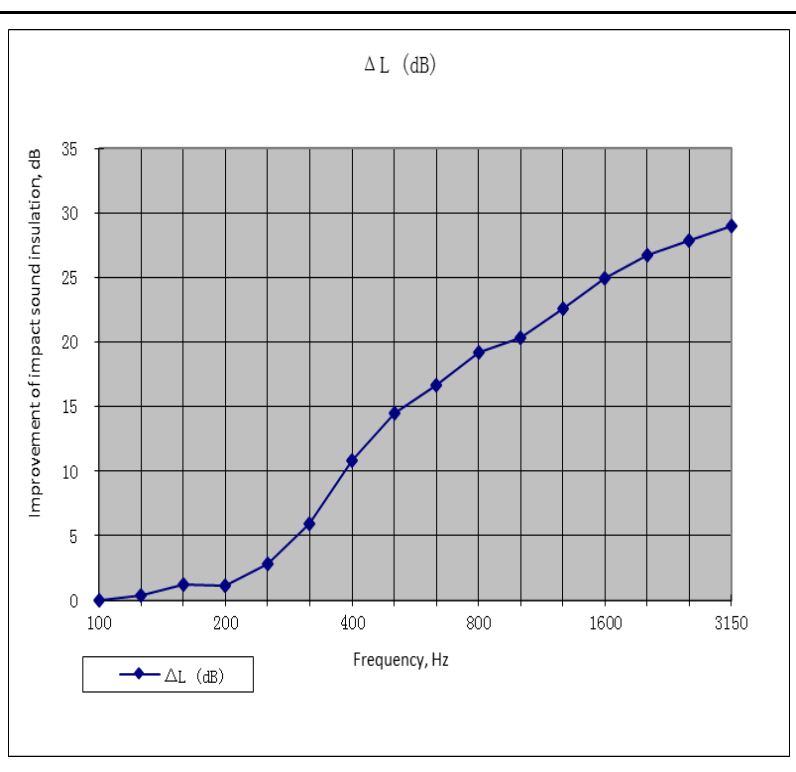
Volume of Source Room: 77 m³ Volume of Receiving Room: 112 m³

Specimen area: 12 m²

Floor-Ceiling Assemblies: The system consisted of 150mm thick concrete floor without drop ceiling and the 5mm Protek Editions - Dittam Grey (including 1.0mm IXPE underlayment) were placed on the concrete floor.

Mounting of the specimen: Floating installation with click joints

| Frequency (Hz) | Ln,0 (dB) | ΔL (dB) |
|----------------|-----------|---------|
| 100 | 60.1 | 0.0 |
| 125 | 66.0 | 0.4 |
| 160 | 62.9 | 1.2 |
| 200 | 63.4 | 1.1 |
| 250 | 64.2 | 2.8 |
| 315 | 64.8 | 5.9 |
| 400 | 63.8 | 10.8 |
| 500 | 64.5 | 14.5 |
| 630 | 64.4 | 16.7 |
| 800 | 65.2 | 19.2 |
| 1000 | 64.3 | 20.3 |
| 1250 | 64.2 | 22.6 |
| 1600 | 63.5 | 24.9 |
| 2000 | 62.4 | 26.7 |
| 2500 | 61.2 | 27.9 |
| 3150 | 60.1 | 29.0 |



Rating according to ISO 717-2:2013 in one-third octave bands, the ΔLw was shown below.

| | | | |
|---|-------------------|-----|----|
| Weighted improvement of impact sound insulation | ΔLw= | 18 | dB |
| Spectrum adaptation | C _{1Δ} = | -10 | dB |

Note:

- Evaluation based on laboratory measurement results obtained by an engineering method.
- Ln,0 = Normalized Sound Pressure Level for bare floor under test
ΔL = Reduction of impact sound pressure level of floor covering

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Test Photo:



Test Set Up



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Appendix A: Sample Received Photo



Revision:

| NO. | Date | Changes | Author | Reviewer |
|---------------------|------------|------------------------------------|-------------|------------|
| 200827004SHF-001 | 2020-09-09 | First issue | Jackie Zhou | Mason Wang |
| 200827004SHF-001-R1 | 2020-09-11 | Corrected the type of underlayment | Jackie Zhou | Mason Wang |

Note: Since the issue date of 200827004SHF-001-R1 report, the original report 200827004SHF-001 was cancelled at the same time.