

Lions Floor

TEST REPORT

SCOPE OF WORK

LVT floors

REPORT NUMBER

240725010SHF-007

TEST DATE(S)

2024-07-25 - 2024-08-15

ORIGINAL ISSUE DATE

2024-08-22

PAGES

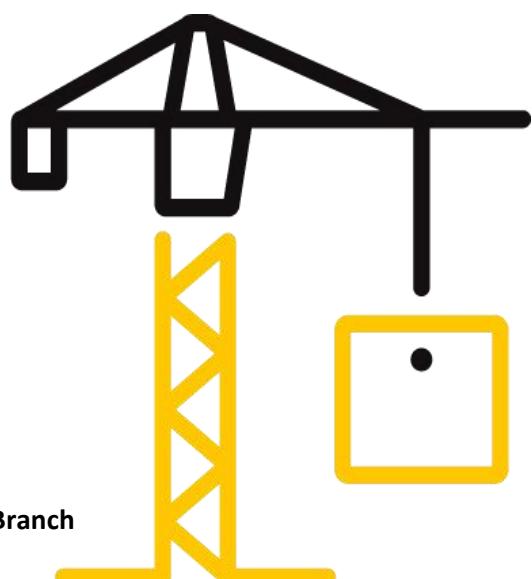
7

DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(February 1, 2024)

© 2024 INTERTEK

Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

Statement

1. This report is invalid without company's special seal for testing on the assigned page.
2. This report is invalid without an authorized person's signature.
3. This report is invalid if altered.
4. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Don't copy this report in partial without any official approval in writing by our company. This report is invalid without re-stamping the special seal for testing in copying report.
5. This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample(s) tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
6. Except for the obligation, responsibility and liability (if any) for the appropriateness and professionalism of afore-mentioned testing itself within the scope and amount of the testing fee received, Intertek does not and will not accept any other obligation or liability.
7. If the Client has any questions about the test results, Intertek B&C should be informed within the storage period of the samples. The sample storage period ends 5 working days after the official report issue date. Samples of certification program are retained for the period required by the certification rules. The samples storage period shall be calculated according to the issue date of the original report in the case of quoting results and modifying reports.
8. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends 6 years after this report original issue date. The test record retention period for certification program is 10 years. Test records and other pertinent project documentation will be retained for the entire test record retention period.
9. The report was digital signed by Shanghai, Intertek Group plc, please use Adobe Acrobat Reader to verify the authenticity.



Test Report

Original Issue Date: 2024-08-22

Intertek Report No. 240725010SHF-007

Applicant: Lions Floor

Address: 7300 somerset blvd, paramount, CA 90723

Attn: Jerry Guo

Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	Model	Specification
LVT floors	District MAX	1220*184*2.5mm wearlayer: 0.5mm without Pad
Sample ID	Sample Amount	Sample Received Date
S240725010SHF.012	90 pieces	2024-04-16
Sample Description		
1220*184*2.5mm		

Test Methods And Standards

Test Standard	ASTM E648-19a ^{ε1}
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1. This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

2. ASTM E648-19a^{ε1} is not current standard, test was performed as per client's requirement.

Report Authorized

Name: Sally Xie

Title: Reviewer

Name: Daniel Zhang

Title: Project Engineer



Test Report

Original Issue Date: 2024-08-22

Intertek Report No. 240725010SHF-007

Test Items, Method and Results:

Test Item: Critical radiant flux

Test Method: ASTM E648-19a^{ε1}

Conditioning: At temperature of (21 ± 3)°C and relative humidity of (50 ± 5)% for 48h

1 Test Overview

This procedure provides a way of measuring **Critical Radiant Flux** (the level of incident radiant heat energy on a floor covering system at the most distant flame-out point, reported as w/cm²) of horizontally mounted floor-covering systems exposed to a flaming ignition source while being exposed to radiant heat energy from a panel with approximately a 30° angle from the horizontal.

2 Test Procedure

At least three specimens shall be tested. Following the ASTM E648-19a^{ε1} calibration procedures the first specimen was loaded into the test chamber. After a 5 min pre-heat time, the pilot flame was placed into contact with the specimen at the 0 mm mark. The pilot flame is to remain in contact with the specimen for 5 min, then removed. If the specimen does not propagate flame during the 5 min pilot flame contact, then the test is terminated. For specimens that do propagate flame, the test is continued until the flame goes out. The distance to the farthest flame-out point is noted, which is then used to determine the **Critical Radiant Flux**, based on a radiant heat energy flux profile curve of the apparatus obtained during calibration.

Test Report

Original Issue Date: 2024-08-22

Intertek Report No. 240725010SHF-007

Test Items, Method and Results:**3 Test Result**

Specimen	1	2	3
Maximum Distance (mm)	140	150	150
Time to Maximum Distance (min:sec)	6:12	6:42	6:25
Time to All Flame Out (min:sec)	10:01	10:01	10:01
Critical Radiant Flux (W/cm ²)	1.02	1.00	1.00
Average Critical Radiant Flux (W/cm ²)	1.01		
Standard Deviation (W/cm ²)	0.01		
Coefficient of Variation (%)	1.15		

Observation

Specimen	Smoking (min:sec)	Blistering (min:sec)	Discolored (min:sec)	Ignition (min:sec)
1	1:16	0:58	2:15	5:02
2	1:22	1:05	2:22	5:01
3	1:14	1:07	2:16	5:02

Test Report

Original Issue Date: 2024-08-22

Intertek Report No. 240725010SHF-007

Test Items, Method and Results:

4 Test photos



Before test



After test



Test Report

Original Issue Date: 2024-08-22

Intertek Report No. 240725010SHF-007

Appendix A: Sample Received Photo**Revision:**

NO.	Date	Changes
240725010SHF-007	2024-08-22	First issue