

Lions Floor

TEST REPORT

SCOPE OF WORK

SPC FLOORING

REPORT NUMBER

260714002SHF-012

TEST DATE(S)

2026-07-14 - 2026-08-20

ORIGINAL ISSUE DATE

2026-08-20

PAGES

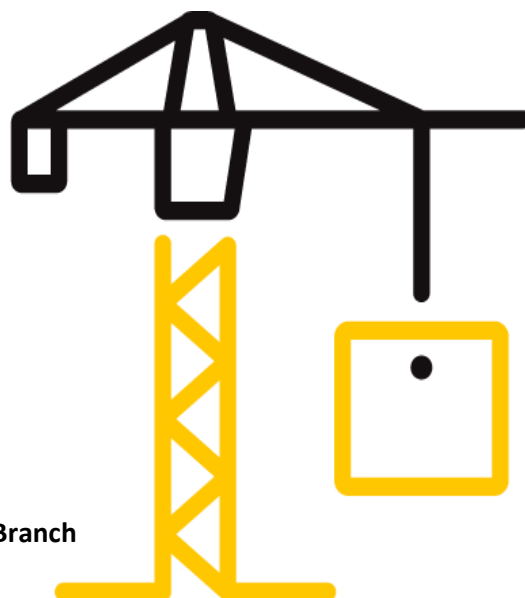
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DOCUMENT CONTROL NUMBER

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Original Issue Date: 2026-08-20

Intertek Report No. 260714002SHF-012

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
SPC FLOORING	Lions Reservation Collection	182*1524*6.0mm(4.5mmSPC+1.5mmIXPE)
Sample ID	Sample Amount	Sample Received Date
S260714002SHF.031	50 pcs	2026-06-08
Sample Description		
182*1524*6.0mm (with 1.5mm IXPE underlayment)		

Test Methods And Standards

Test Standard	ASTM E648-25a
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 applicant. Representativeness and authenticity of the submitted samples are responsibilities of the applicant.

Report Authorized



 Sally Xie Wilson Zhang
 Name: Sally Xie Name: Wilson Zhang
 Title: Reviewer Title: Project Engineer

Test Report

Original Issue Date: 2026-08-20

Intertek Report No. 260714002SHF-012

Test Items, Method and Results:

Test Item: Critical radiant flux
Test Method: ASTM E648-25a
Conditioning: At temperature of $(21 \pm 3)^{\circ}\text{C}$ and relative humidity of $(50 \pm 5)\%$ 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/cm^2) 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 E648-25a 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.

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Intertek Report No. 260714002SHF-012

Test Items, Method and Results:

3 Test Result

Specimen	1	2	3
Maximum Distance (mm)	270	340	280
Time to Maximum Distance (min:sec)	5:52	6:47	6:25
Time to All Flame Out (min:sec)	10:01	10:01	10:01
Critical Radiant Flux (W/cm ²)	0.76	0.62	0.74
Average Critical Radiant Flux (W/cm ²)	0.71		
Standard Deviation (W/cm ²)	0.08		
Coefficient of Variation (%)	10.71		

Observation

Specimen	Smoking (min:sec)	Blistering (min:sec)	Discolored (min:sec)	Ignition (min:sec)
1	1:24	1:13	1:55	5:02
2	1:26	1:17	1:57	5:02
3	1:23	1:15	1:54	5:01

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Intertek Report No. 260714002SHF-012

Test Items, Method and Results:

4 Test photos



Before test



After test

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Intertek Report No. 260714002SHF-012

Appendix A: Sample Received Photo



SAH FENGXIAN B21

Revision:

NO.	Date	Changes
260714002SHF-012	2026-08-20	First issue