Lions Floor

TEST REPORT

SCOPE OF WORK
LVT floors

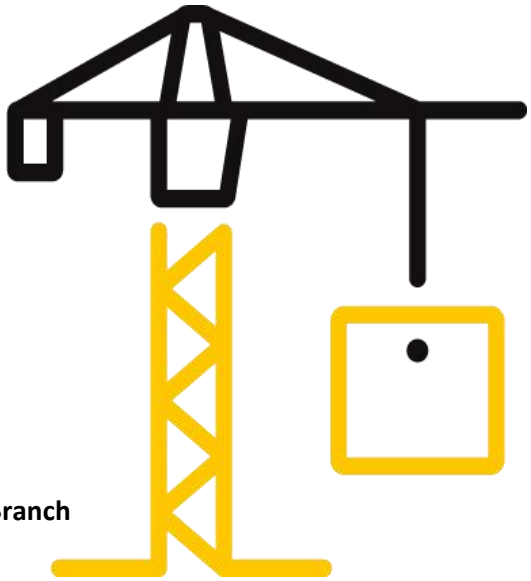
REPORT NUMBER
240725010SHF-008

TEST DATE(S)
2024-07-25 - 2024-08-15

ORIGINAL ISSUE DATE
2024-08-22

PAGES
6

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



Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch

Test Report

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Test Report

Original Issue Date: 2024-08-22 Intertek Report No. 240725010SHF-008

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.013	90 pieces	2024-04-16
Sample Description		
1220*184*2.5mm		

Test Methods And Standards

Test Standard	ASTM E662-21a$^{\varepsilon 1}$
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.

Report Authorized

Sally Daniel Zhang

Name: Sally Xie Name: Daniel Zhang

Title: Reviewer Title: Project Engineer

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Test Report

Original Issue Date: 2024-08-22 Intertek Report No. 240725010SHF-008

Test Items, Method and Results:

1. Test Method:

ASTM E662-21a$^{\varepsilon 1}$ Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
This test was conducted to evaluate smoke density. There is no pass fail criteria for this standard.

2. Test Specimens:

Test Specimen: 76 mm × 76 mm × 2.5 mm (length × width × thickness), 6pcs

Specimen conditioning: Pre-dry at 60±3°C for 24h, then condition to constant weight at 23±2°C and a relative humidity of 50±5%.

3. Test results and Observations:

3.1 Test specimens are exposed to the nonflaming condition

Irradiance: 2.50±0.05 W/cm^2

Test result:

Parameter	Specimen 1	Specimen 2	Specimen 3	Average
Ds at 1.5 min:	9.0	7.0	6.0	7.3
Ds at 4 min:	110.0	93.0	140.0	114.3
Max. Ds (first 4 min):	110.0	93.0	140.0	114.3
Max. Ds Time (first 4 min):	03:59.4	03:59.2	04:00.0	03:59.5
Max. Ds:	331.0	340.0	371.0	347.3
Max. Ds Time:	12:39.3	13:15.7	12:21.3	12:45.4
Clear Beam Ds:	0.0	0.0	0.0	0.0
Corrected Max. Ds:	331.0	340.0	371.0	347.3
Average Backwall Temp (°C):	39.2	38.8	38.4	38.8
Min. Backwall Temp (°C):	36.6	36.4	36.3	36.4
Max. Backwall Temp (°C):	41.8	41.2	40.7	41.2

Specimen	Observations
1	0:26 Blistering on the surface is observed. 0:29 Smoke generation is observed. 0:31 Discoloration is observed.
2	0:32 Blistering on the surface is observed. 0:33 Smoke generation is observed. 0:40 Discoloration is observed.
3	0:30 Blistering on the surface is observed. 0:32 Smoke generation is observed. 0:37 Discoloration is observed.

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Test Items, Method and Results:

3.2 Test specimens are exposed to the flaming condition

Irradiance: 2.50±0.05 W/cm^2

Test result:

Parameter	Specimen 1	Specimen 2	Specimen 3	Average
Ds at 1.5 min:	76.0	93.0	78.0	82.3
Ds at 4 min:	382.0	406.0	319.0	369.0
Max. Ds (first 4 min):	386.0	413.0	319.0	372.7
Max. Ds Time (first 4 min):	03:54.1	03:58.8	03:56.2	03:56.4
Max. Ds:	417.0	417.0	349.0	394.3
Max. Ds Time:	05:30.7	04:48.3	05:35.3	05:18.1
Clear Beam Ds:	0.0	0.0	0.0	0.0
Corrected Max. Ds:	417.0	417.0	349.0	394.3
Average Backwall Temp (°C):	39.7	39.6	39.8	39.7
Min. Backwall Temp (°C):	35.9	36.1	35.8	35.9
Max. Backwall Temp (°C):	42.7	42.6	42.9	42.7

Specimen	Observations
1	0:06 Flame with smoke generation on surface of specimen is observed. 4:23 Flame extinguished.
2	0:07 Flame with smoke generation on surface of specimen is observed. 4:46 Flame extinguished.
3	0:07 Flame with smoke generation on surface of specimen is observed. 5:13 Flame extinguished.

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Appendix A: Sample Received Photo

Revision:

NO.	Date	Changes
240725010SHF-008	2024-08-22	First issue