SHANDONG EMOSIN DECORATIVE PRODUCTS CO., LTD

CHIPING AREA, LIAOCHENG CITY, SHANDONG PROVINCE, CHINA

Sample Name	:	SPC FLOORING
Style/Item No.	:	/

The above sample(s) data and information was / were submitted and identified on behalf of the client. SGS is not responsible for the authenticity, integrity and results of the data and information and / or the validity of the conclusion arising therefrom. Results apply to the sample as received.

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SGS Ref. No.	:	QDIN2507001421PL01
Sample Receiving Date	:	Jul 21,2025
Testing Period	:	Jul 21,2025 to Aug 01,2025
Test Required	:	AS ISO 9239.1-2003(R2016) Reaction to fire tests for floorings —Part 1: Determination of the burning behaviour using a radiant heat source.
Test result(s)	:	See attached sheet

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd Anji Branch

Eva Zhang
Approved signatory

Scan to see the report
AJFTS25004878R01
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I. Test conducted

This test was conducted as per AS ISO 9239.1-2003(R2016) Reaction to fire tests for floorings —Part 1: Determination of the burning behaviour using a radiant heat source.

II. Sample details

Sample Description	SPC flooring
Color	Brown
Thickness	7.0mm
Area density	12.8 kg/m^2
Specimen size	1050mm×230mm×7.0mm
Test surface	Wood grain surface

Conditioning:

Prior to testing, the sample was conditioned to constant mass at temperatures of 23±2°C and at a relative humidity of 50±5% for at least 48 h, until constant mass is achieved.

Mounting of Test Assembly:

Fibre cement board, with its density approximate 1800kg/m^3, thickness approximate 9mm, is as the substrate. The test specimens are fixed mechanically to the substrate. No joint in the specimens.

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III. Test results

Distance (mm)	S1 (//)	S2 (⊥)	S3 (//)	S4 (//)
	Time (min: s)	Time (min: s)	Time (min: s)	Time (min: s)
50	4:39	-	5:21	4:52
100	-	-	-	-
150	-	-	-	-
200	-	-	-	-
250	-	-	-	-
300	-	-	-	-
350	-	-	-	-
400	-	-	-	-
450	-	-	-	-
500	-	-	-	-
550	-	-	-	-
600	-	-	-	-
650	-	-	-	-
700	-	-	-	-
750	-	-	-	-
800	-	-	-	-
850	-	-	-	-
900	-	-	-	-
950	-	-	-	-
1000	-	-	-	-
All flame-out time (min:s)	12:00	12:00	12:00	12:00
Test duration (min:s)	30:00	30:00	30:00	30:00
The final maximum flame spread distance (mm)	90	30	70	80

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	S1 (//)	S2 (⊥)	S3 (//)	S4 (//)
Flame front distance at 10 min (mm)	90	30	70	80
Flame front distance at 20 min (mm)	90	30	70	80
Flame front distance at 30 min (mm)	90	30	70	80
Heat Flux at 10 minutes, HF-10 (kW/m^2)	≥11.0	≥11.0	≥11.0	≥11.0
Heat Flux at 20 minutes, HF-20 (kW/m^2)	≥11.0	≥11.0	≥11.0	≥11.0
Heat Flux at 30 minutes, HF-30 (kW/m^2)	≥11.0	≥11.0	≥11.0	≥11.0
CHF (Critical heat flux at extinguishment) (kW/m^2)	≥11.0	≥11.0	≥11.0	≥11.0
Results of the smoke measurement				
The integral of the smoke (%×min)	19.1	12.4	14.5	17.6
Max. light attenuation (%)	8.5	5.5	7.1	8.2

Summary of results:

	S1 (//)	S2 (⊥)	S3 (//)	S4 (//)	Average
The integral of the smoke (%×min)	19.1	12.4	14.5	17.6	17.1
CHF (kW/m^2)	≥11.0	≥11.0	≥11.0	≥11.0	≥11.0

Note: //--Length direction; ⊥-Width direction

Statement:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

SGS-CSTC Standards Technical Services Co., Ltd. Anji Branch Fire Technology Service

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Photo Appendix:



SGS authenticate the photo on original report only

End of Report

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