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国际互认  
检测  
TESTING  
CNAS L4743

**Test Report**

Report No.: AJFS2412014772FF-01 Date: DEC.24, 2024 Page 1 of 4

**FLOORCO TRADING LTD.**

118 CARBINE ROAD MT WELLINGTON AUCKLAND NEW ZEALAND

**THE TEST REPORT IS TO SUPERSEDE THE TEST REPORT No.: AJFS2412014772FF, DATE: DEC.18, 2024.**

**\*Sample Description:** FLOORCO ATWOOD & GL 14mm ENGINEERED WOOD FLOORING

**SGS Ref No.:** SHHL2412071345FT

**Style No.:** 1900\*190\*14

**\*Item No.:** FLOORCO & ATWOOD FLOORS & GL

**P.O. / Ref No.:** GL20240903

**\*Supplier:** FLOORCO TRADING LTD.

**Country of Origin:** CHNIA

**Country of Destination:** NEW ZEALAND

The above sample(s) 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.

\*\*\*\*\*

**Test Requested:**

ISO 9239-1:2010 Reaction to fire tests for floorings —Part 1: Determination of the burning behaviour using a radiant heat source.

**Test Results:** -- See attached sheet --

**Test Period:**

Sample Receiving Date : DEC.04, 2024

Test Performing Date : DEC.04, 2024 TO DEC.17, 2024

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

Echo Li  
Approved Signatory

Scan to see the report



AJFS2412014772FF-01  
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Report No.: AJFS2412014772FF-01

Date: DEC.24, 2024

Page 2 of 4

## I. Test conducted

This test was conducted as per ISO 9239-1:2010 Reaction to fire tests for floorings —Part 1: Determination of the burning behaviour using a radiant heat source.

## II. Sample details

Sample Description	ENGINEERED WOOD FLOORING (provided by client)
Color	Wood color
Thickness	14.0mm
Density	9.8 kg/m <sup>2</sup>
Specimen size	1050mm×230mm×14.0mm
Test surface	Paint 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<sup>3</sup>, thickness approximate 9mm, is as the substrate. The test specimens are fixed mechanically to the substrate. Have joints in the specimens.

## III. Test results

Distance (mm)	S1 (//)	S2 (//)	S3 (//)
	Time (min:s)	Time (min:s)	Time (min:s)
50	05:16	04:51	05:10
100	08:11	07:33	07:55
150	10:22	10:15	10:42
200	15:54	14:57	16:09
250	17:33	18:29	18:11
300	20:15	21:02	20:47
350	24:59	25:13	25:32
400	30:25	29:48	31:05
450	36:02	35:42	38:17
500	--	--	--
550	--	--	--
600	--	--	--
650	--	--	--
700	--	--	--



# Test Report

Report No.: AJFS2412014772FF-01

Date: DEC.24, 2024

Page 3 of 4

750	--	--	--
800	--	--	--
850	--	--	--
900	--	--	--
950	--	--	--
1000	--	--	--
All flame-out time (min:s)	39:41	37:06	42:10
Test duration (min:s)	39:41	37:06	42:10
The final maximum flame spread distance (mm)	430	420	440

	S1 (//)	S2 (//)	S3 (//)
Flame front distance at 10 min (mm)	140	140	140
Flame front distance at 20 min (mm)	290	280	290
Flame front distance at 30 min (mm)	390	400	390
Heat Flux at 10 minutes, HF-10 (kW/m <sup>2</sup> )	10.8	10.8	10.8
Heat Flux at 20 minutes, HF-20 (kW/m <sup>2</sup> )	7.6	7.8	7.6
Heat Flux at 30 minutes, HF-30 (kW/m <sup>2</sup> )	5.4	5.2	5.4
CHF (Critical heat flux at extinguishment) (kW/m <sup>2</sup> )	4.8	5.0	4.6
<b>Results of the smoke measurement</b>			
The integral of the smoke (%×min)	15.3	14.7	16.5
Max. light attenuation (%)	7.1	6.4	8.2

### Summary of results:

	S1	S2	S3	Average
The integral of the smoke (%×min)	15.3	14.7	16.5	15.5
CHF (kW/m <sup>2</sup> )	4.8	5.0	4.6	4.8

Observations during test: bubbled

Note: // -- Length 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.



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Report No.: AJFS2412014772FF-01

Date: DEC.24, 2024

Page 4 of 4

### Photo Appendix:



SGS authenticate the photo on original report only

Remark: The content remark with \*are updated.

\*\*\*End of Report\*\*\*



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