

TEST REPORT

No. : SHIN171203699CCM

Date : Jan. 02, 2018

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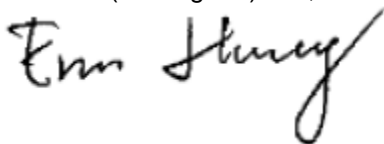
CUSTOMER NAME: CHAMELEON FLOORING PTY LTD.
ADDRESS: PO BOX 4126, LOGANHOLME DC, QLD, 4129 AUSTRALIA

Sample Name : ELSA+LUXURY VINYL PLANKS
Product material : Virgin PVC + Calcium Carbonate + DOTP
Specification : ELSA 5.0 mm
Size : 187*1227 mm

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

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
SGS Ref. No. : IN-SH-CP-5612-17170
Date of Receipt : Dec. 05, 2017
Testing Start Date : Dec. 05, 2017
Testing End Date : Jan. 02, 2018
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services (Shanghai) Co., Ltd.



Erin Huang
Authorized signatory



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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

Name	ELSA+LUXURY VINYL PLANKS
Color	Wood
Thickness	5.3mm
Area Density	10.0 kg/m ²
Specimen size	Length 1050 mm Width 230 mm

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. The curing time for flooring, which is glued to the substrate, is at least three days.

Mounting of Test Assembly:

Fibre cement board, with its density approximate 1800kg/m³, thickness approximate 9mm, is as the substrate. The test specimens are fixed mechanically to the substrate. A joint is situated 250mm from zero point. The test specimens are prepared to incorporate a center-longitude joint.



SGS-CSTC Inspection & Testing Services (Shanghai) Co., Ltd.
Testing Center Commercial Construction Material Laboratory

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III. Test results

Distance (mm)	S1	S2	S3
	Time (min:s)	Time (min:s)	Time (min:s)
50	2:05	2:03	2:03
100	2:09	2:08	2:10
150	2:14	2:12	2:18
200	2:24	2:26	2:30
250	--	--	--
300	--	--	--
350	--	--	--
400	--	--	--
450	--	--	--
500	--	--	--
550	--	--	--
600	--	--	--
650	--	--	--
700	--	--	--
750	--	--	--
800	--	--	--
850	--	--	--
900	--	--	--
950	--	--	--
1000	--	--	--
Extinguishing time	12:00	12:00	12:00
the final maximum flame spread distance (mm)	200	200	220
CHF (kW/m ²)	9.6	9.6	9.2



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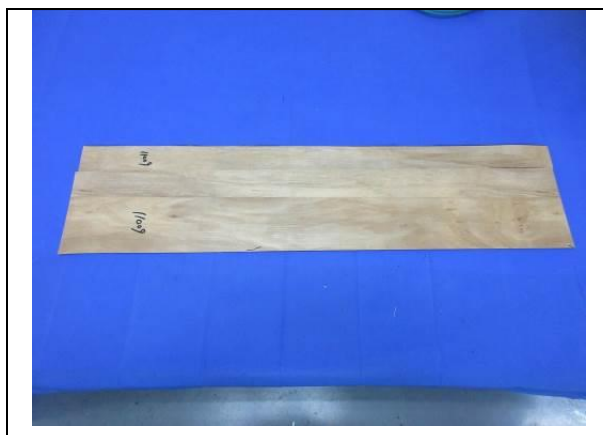
	S1	S2	S3	Average
Flame front distance at 10 min (mm)	200	200	220	207
Flame front distance at 20 min (mm)	--	--	--	--
Flame front distance at 30 min (mm)	--	--	--	--
Heat Flux at 10 minutes, HF-10/ kW/m ²	9.6	9.6	9.2	9.5
Heat Flux at 20 minutes, HF-20/ kW/m ²	--	--	--	--
Heat Flux at 30 minutes, HF-30/ kW/m ²	--	--	--	--
the integral of the smoke(%xmin)	99	103	108	103
Max. light attenuation (%)	14.2	12.8	13.3	13.4

Conclusion:

	S1	S2	S3	Average
CHF, kW/m ²	9.6	9.6	9.2	9.5

Note: The test was performed by SGS other internal laboratory.

Sample photo:



***** End of report*****



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