

## TEST REPORT

No. : SHIN171203696CCM

Date : Jan. 04, 2018

Page: 1 of 4

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

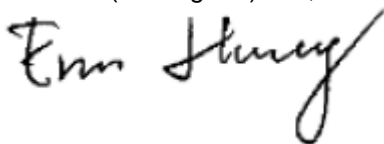
Sample Name : ELSA LUXURY VINYL PLANKS  
Product material : Virgin PVC + Calcium Carbonate + DOTP  
Specification : ELSA 2.5 mm  
Size : 187\*1227 mm

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.

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Test Method : 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



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

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No. : SHIN171203696CCM

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Page: 2 of 4

### 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	2.5mm
Area Density	4.5 kg/m <sup>2</sup>
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/m<sup>3</sup>, 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.



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# TEST REPORT

No. : SHIN171203696CCM

Date : Jan. 04, 2018

Page: 3 of 4

### III. Test results

Distance (mm)	S1	S2	S3
	Time (min:s)	Time (min:s)	Time (min:s)
50	2:04	2:02	2:03
100	2:10	2:09	2:08
150	2:21	2:19	2:19
200	2:24	2:26	2:27
250	2:42	2:44	2:48
300	4:36	4:27	4:28
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)	340	330	320
CHF (kW/m <sup>2</sup> )	6.6	6.8	7.0



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Page: 4 of 4

	S1	S2	S3	Average
Flame front distance at 10 min (mm)	340	330	320	330
Flame front distance at 20 min (mm)	--	--	--	--
Flame front distance at 30 min (mm)	--	--	--	--
Heat Flux at 10 minutes, HF-10/ kW/m <sup>2</sup>	6.6	6.8	7.0	6.8
Heat Flux at 20 minutes, HF-20/ kW/m <sup>2</sup>	--	--	--	--
Heat Flux at 30 minutes, HF-30/ kW/m <sup>2</sup>	--	--	--	--
the integral of the smoke(%xmin)	174	168	175	172
Max. light attenuation (%)	18.4	19.4	19.9	19.2

### Conclusion:

	S1	S2	S3	Average
CHF, kW/m <sup>2</sup>	6.6	6.8	7.0	6.8

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

### Sample photo:



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



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