



TEST REPORT

Sample: Interface Australia PTY LTD
Manufacturing: 34 Airds Road Minto
NSW 2566
Australia

Test Report No: R24-208
Sample Received Date: 6/08/2024
Test Date: 9/08/2024
Report Date: 9/08/2024

Sample Description: Client Reference: "LVT 4.50mm Sound Choice™"
CERAMOR+™
Vinyl Flooring

Test Sponsor:

Interface Australia

AS ISO 9239.1-2003: Reaction to Fire Tests for Floorings – Determination of the Burning Behaviour Using a Radiant Heat Source

Results Summary

CHF Value	Sample 1	Sample 2	Sample 3	Mean	
Length	9.1	9.4	9.6	9.4	kW/m ²
Width	9.6	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	163	158	163	161	%.min
Width	155	-	-	-	%.min

Melting YES

Blistering YES

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 sole criterion for assessing the potential fire hazard of the product in use.

Sample was conditioned in accordance with BS EN 13238 at a temperature of 23±2°C and relative humidity of 50±5% for a minimum of 72 hours prior to testing, which is inclusive of adhesive curing time.

Each Specimen was adhered to a substrate of 9mm Fibre Cement Board using Intertac+ Adhesive.

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Product Technical Manager

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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 12 minutes 26 seconds (746 s)
Extent of burning (mm)	: 220
Critical flux at extinguishment (kW/m ²)	: 9.13
HF-10 (kW/m ²)	: 9.59
HF-20 (kW/m ²)	: Not calculated (test duration < 20 minutes)
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: Not measured
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 37.36
Time to peak light attenuation	: 4 minutes 09 seconds (249 s)
Total integrated smoke (%.min)	: 163.21

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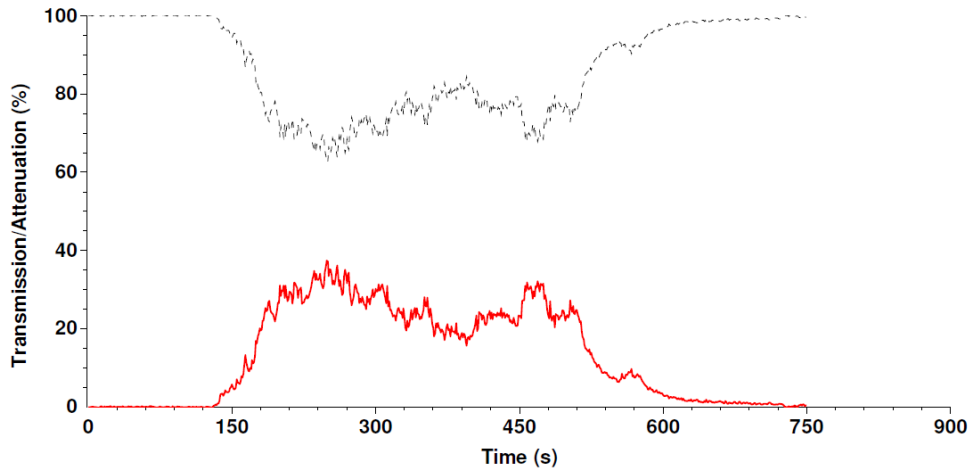
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24080017.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)	Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)
60	240	12.4	2.986	510	-	3.4	-
110	290	11.4	3.303	560	-	2.8	-
160	474	10.4	4.950	610	-	2.3	-
210	633	9.4	5.937	660	-	2.0	-
260	-	8.2	-	710	-	1.7	-
310	-	7.0	-	760	-	1.5	-
360	-	5.9	-	810	-	1.3	-
410	-	4.9	-	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 12 minutes 18 seconds (738 s)
Extent of burning (mm)	: 200
Critical flux at extinguishment (kW/m ²)	: 9.59
HF-10 (kW/m ²)	: 9.59
HF-20 (kW/m ²)	: Not calculated (test duration < 20 minutes)
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: Not measured
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 42.34
Time to peak light attenuation	: 4 minutes 02 seconds (242 s)
Total integrated smoke (%.min)	: 154.99

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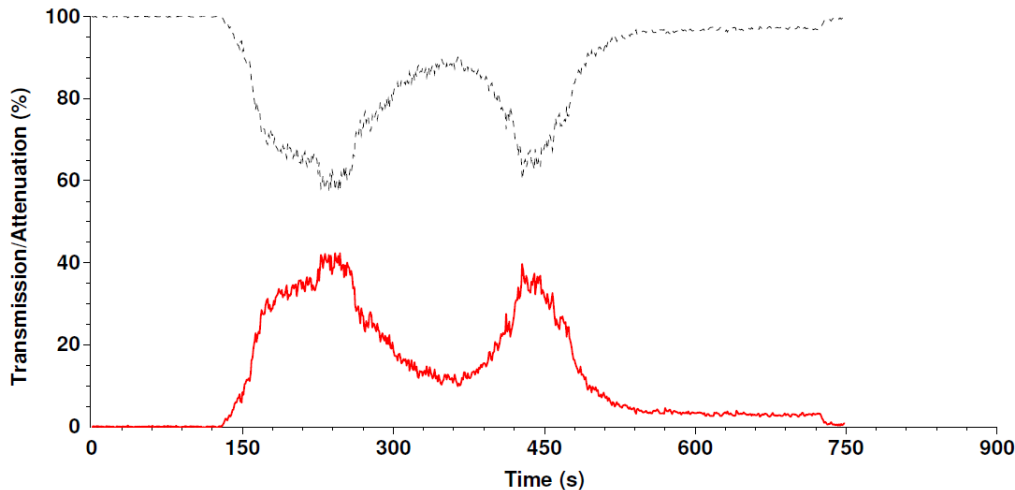
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24080018.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)	Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)
60	188	12.4	2.339	510	-	3.4	-
110	250	11.4	2.847	560	-	2.8	-
160	467	10.4	4.877	610	-	2.3	-
210	-	9.4	-	660	-	2.0	-
260	-	8.2	-	710	-	1.7	-
310	-	7.0	-	760	-	1.5	-
360	-	5.9	-	810	-	1.3	-
410	-	4.9	-	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 08 seconds (128 s)
Time to flameout	: 12 minutes 55 seconds (775 s)
Extent of burning (mm)	: 210
Critical flux at extinguishment (kW/m ²)	: 9.38
HF-10 (kW/m ²)	: 9.80
HF-20 (kW/m ²)	: Not calculated (test duration < 20 minutes)
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 190
Flame spread at 20 minutes (mm)	: Not measured
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 45.5
Time to peak light attenuation	: 3 minutes 35 seconds (215 s)
Total integrated smoke (%.min)	: 157.55

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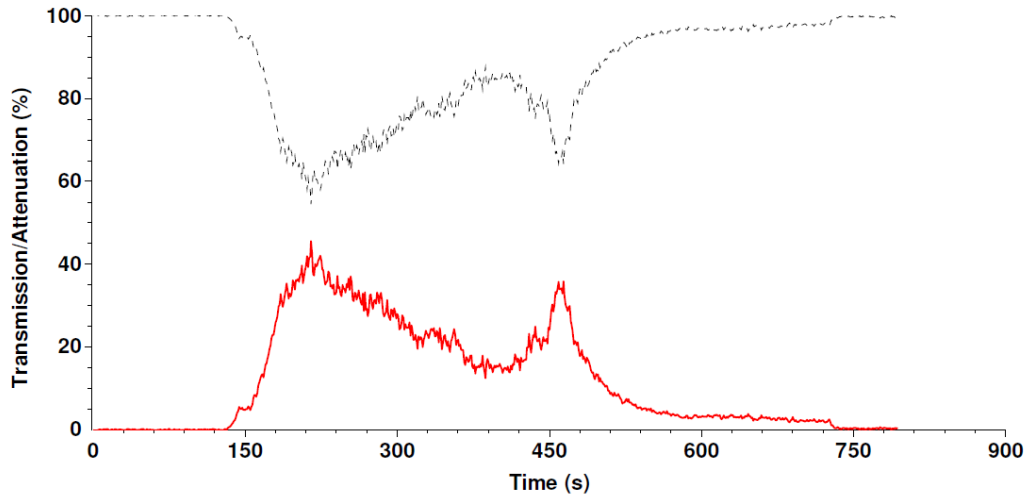
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Sample 2 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\24080019.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)	Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)
60	223	12.4	2.775	510	-	3.4	-
110	276	11.4	3.143	560	-	2.8	-
160	514	10.4	5.368	610	-	2.3	-
210	744	9.4	6.978	660	-	2.0	-
260	-	8.2	-	710	-	1.7	-
310	-	7.0	-	760	-	1.5	-
360	-	5.9	-	810	-	1.3	-
410	-	4.9	-	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 12 minutes 25 seconds (745 s)
Extent of burning (mm)	: 200
Critical flux at extinguishment (kW/m ²)	: 9.59
HF-10 (kW/m ²)	: 9.59
HF-20 (kW/m ²)	: Not calculated (test duration < 20 minutes)
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: Not measured
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 46.61
Time to peak light attenuation	: 3 minutes 47 seconds (227 s)
Total integrated smoke (%.min)	: 163.29

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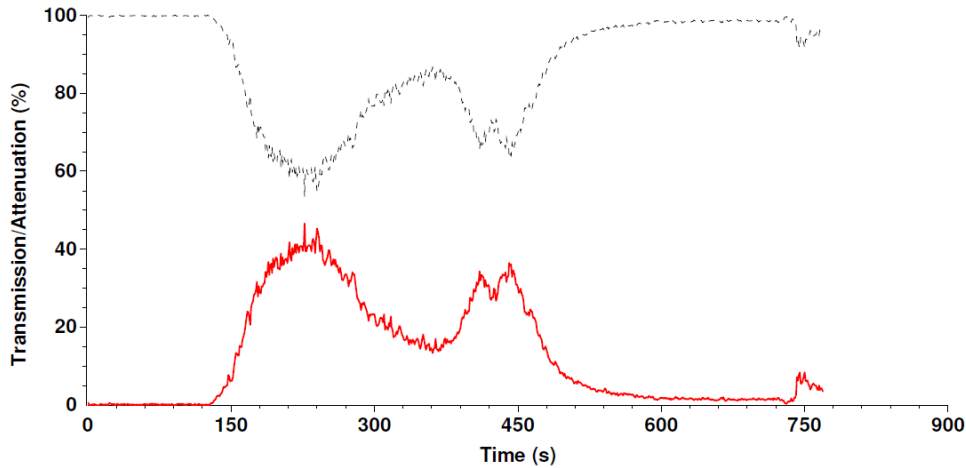
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Sample 3 Length
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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\24080020.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)	Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)
60	185	12.4	2.302	510	-	3.4	-
110	240	11.4	2.733	560	-	2.8	-
160	428	10.4	4.470	610	-	2.3	-
210	-	9.4	-	660	-	2.0	-
260	-	8.2	-	710	-	1.7	-
310	-	7.0	-	760	-	1.5	-
360	-	5.9	-	810	-	1.3	-
410	-	4.9	-	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

END OF REPORT

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