



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R25-050
Manufacturing:	34 Airds Road Minto	Sample Received Date:	4/04/2025
	NSW 2566	Test Date:	10/04/2025
	Australia	Report Date:	11/04/2025

Sample	Client Reference: "OPEN ENDED"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	746g/m ² on a Glasbac Backing	

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	4.2	-	-	-	kW/m ²
Width	3.9	4.0	3.4	3.8	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	192	-	-	-	%.min
Width	187	196	207	197	%.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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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 25 seconds (145 s)
Time to flameout	: 43 minutes 20 seconds (2600 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.17
HF-10 (kW/m ²)	: 8.02
HF-20 (kW/m ²)	: 6.26
HF-30 (kW/m ²)	: 5.05
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 42.95
Time to peak light attenuation	: 5 minutes 31 seconds (331 s)
Total integrated smoke (%.min)	: 192.39



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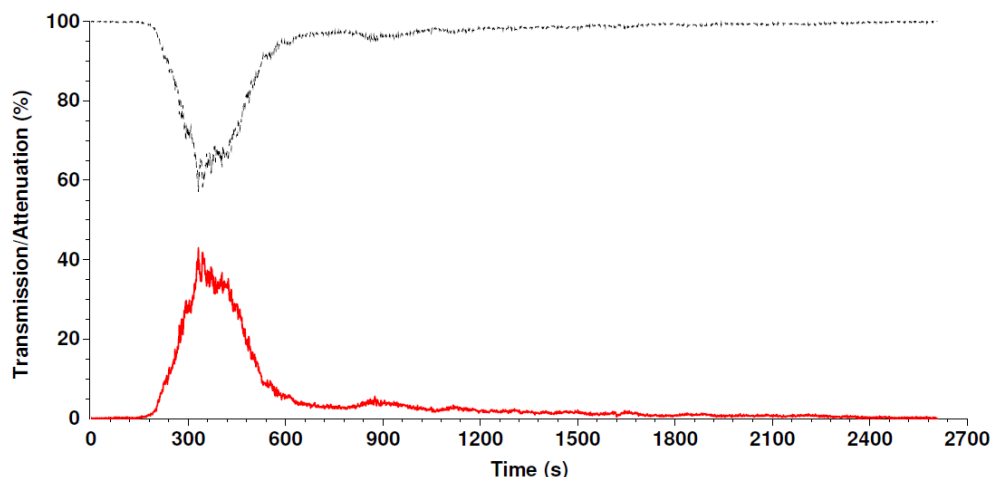
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\25040014.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	176	12.4	2.190	510	-	3.3	-
110	272	11.3	3.081	560	-	2.7	-
160	331	10.3	3.417	610	-	2.3	-
210	380	9.2	3.494	660	-	1.9	-
260	562	8.0	4.505	710	-	1.6	-
310	893	6.9	6.158	760	-	1.4	-
360	1327	5.8	7.744	810	-	1.2	-
410	1915	4.9	9.301	860	-	1.1	-
460	0	4.0	0.000	910	-	1.0	-

MAIKO NISHIO
Laboratory Coordinator
APPROVED SIGNATORY



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 23 seconds (143 s)
Time to flameout	: 61 minutes 59 seconds (3719 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.85
HF-10 (kW/m ²)	: 9.42
HF-20 (kW/m ²)	: 7.12
HF-30 (kW/m ²)	: 5.64
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: 300
Flame spread at 30 minutes (mm)	: 370
Peak light attenuation (%)	: 24.25
Time to peak light attenuation	: 6 minutes 05 seconds (365 s)
Total integrated smoke (%.min)	: 186.86



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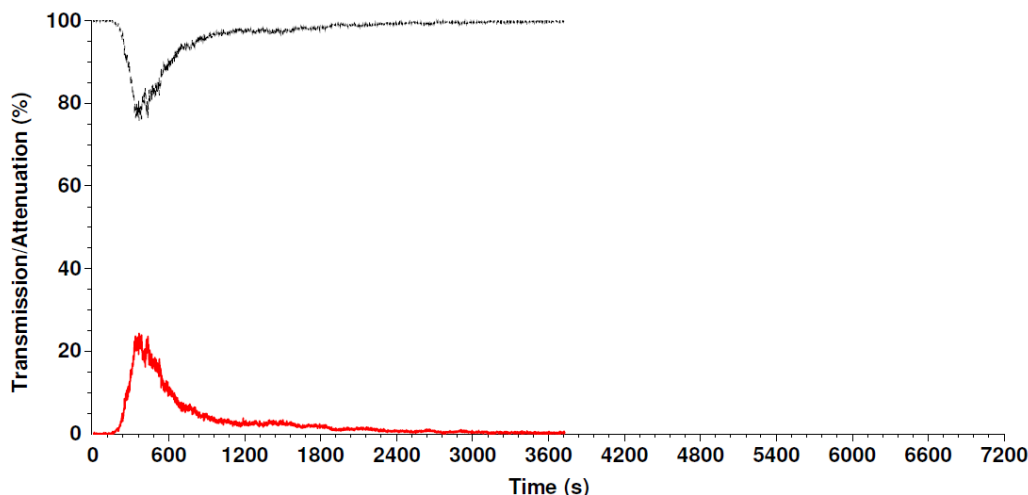
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
File name : C:\FRPSOFT\DATA\25040015.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	243	12.4	3.024	510	-	3.3	-
110	355	11.3	4.022	560	-	2.7	-
160	438	10.3	4.521	610	-	2.3	-
210	633	9.2	5.820	660	-	1.9	-
260	926	8.0	7.423	710	-	1.6	-
310	1307	6.9	9.013	760	-	1.4	-
360	1724	5.8	10.061	810	-	1.2	-
410	2238	4.9	10.870	860	-	1.1	-
460	2993	4.0	11.954	910	-	1.0	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 32 seconds (152 s)
Time to flameout	: 43 minutes 57 seconds (2637 s)
Extent of burning (mm)	: 460
Critical flux at extinguishment (kW/m ²)	: 3.99
HF-10 (kW/m ²)	: 8.49
HF-20 (kW/m ²)	: 6.26
HF-30 (kW/m ²)	: 4.86
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 36.39
Time to peak light attenuation	: 6 minutes 48 seconds (408 s)
Total integrated smoke (%.min)	: 196.34



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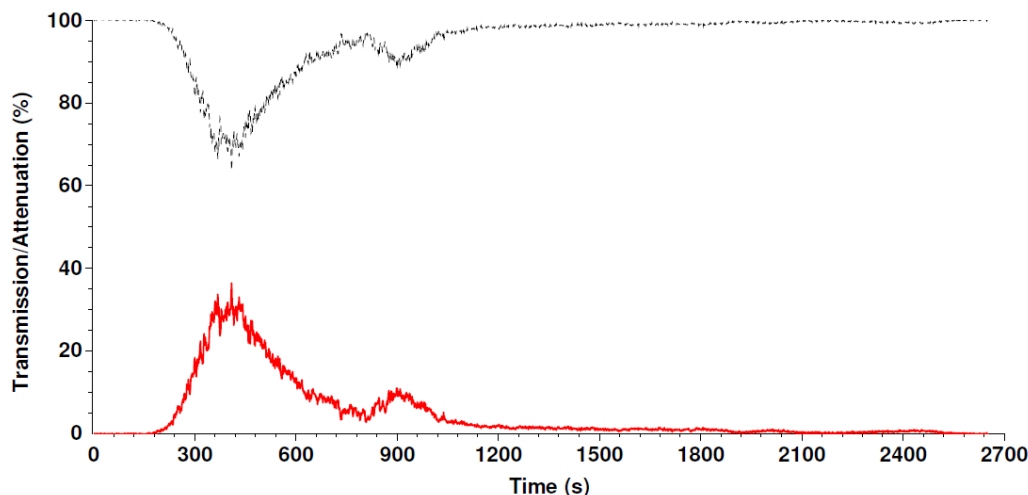
Sample 2 Width

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Smoke Graph



Test name : WIDTH2
File name : C:\FRPSOFT\DATA\25040016.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	253	12.4	3.149	510	-	3.3	-
110	341	11.3	3.863	560	-	2.7	-
160	409	10.3	4.222	610	-	2.3	-
210	493	9.2	4.533	660	-	1.9	-
260	731	8.0	5.860	710	-	1.6	-
310	934	6.9	6.441	760	-	1.4	-
360	1323	5.8	7.721	810	-	1.2	-
410	1759	4.9	8.543	860	-	1.1	-
460	2603	4.0	10.396	910	-	1.0	-

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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 28 seconds (148 s)
Time to flameout	: 60 minutes 15 seconds (3615 s)
Extent of burning (mm)	: 500
Critical flux at extinguishment (kW/m ²)	: 3.42
HF-10 (kW/m ²)	: 9.20
HF-20 (kW/m ²)	: 6.90
HF-30 (kW/m ²)	: 5.44
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 310
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 29.22
Time to peak light attenuation	: 6 minutes 55 seconds (415 s)
Total integrated smoke (%.min)	: 207.21



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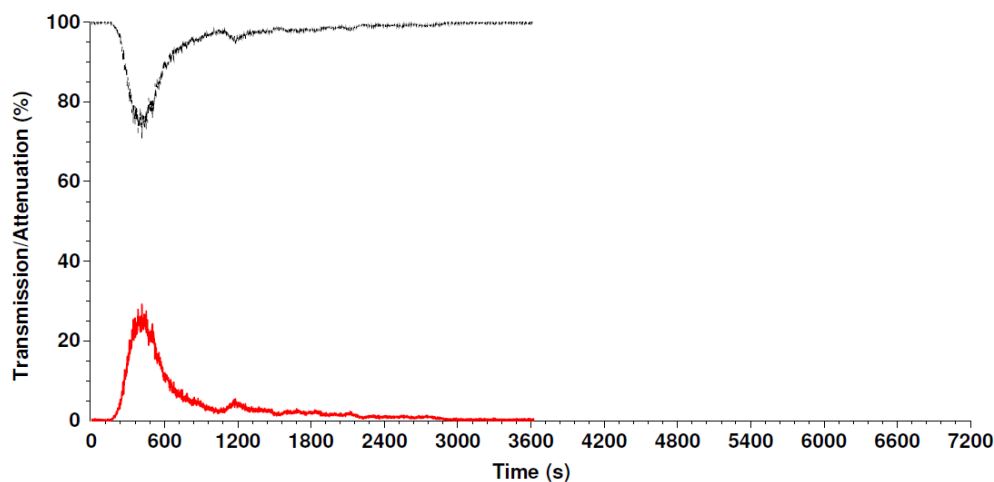
Sample 3 Width

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Smoke Graph



Test name : WIDTH3
File name : C:\FRPSOFT\DATA\25040017.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	2.987	510	-	3.3	-
110	318	11.3	3.603	560	-	2.7	-
160	423	10.3	4.366	610	-	2.3	-
210	546	9.2	5.020	660	-	1.9	-
260	812	8.0	6.509	710	-	1.6	-
310	1154	6.9	7.958	760	-	1.4	-
360	1617	5.8	9.437	810	-	1.2	-
410	2042	4.9	9.918	860	-	1.1	-
460	2687	4.0	10.732	910	-	1.0	-

END OF REPORT

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