



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R25-037
Manufacturing:	34 Airds Road Minto	Sample Received Date:	21/02/2025
	NSW 2566	Test Date:	19/03/2025
	Australia	Report Date:	24/03/2025

Sample	Client Reference: "BRUSHED HUES"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	644g/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	3.7	3.4	3.9	3.7	kW/m ²
Width	3.9	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	263	263	266	264	%.min
Width	268	-	-	-	%.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 20 seconds (140 s)
Time to flameout	: 38 minutes 26 seconds (2306 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.70
HF-10 (kW/m ²)	: 7.65
HF-20 (kW/m ²)	: 5.66
HF-30 (kW/m ²)	: 4.00
Flame spread at 10 minutes (mm)	: 280
Flame spread at 20 minutes (mm)	: 370
Flame spread at 30 minutes (mm)	: 460
Peak light attenuation (%)	: 52.18
Time to peak light attenuation	: 6 minutes 02 seconds (362 s)
Total integrated smoke (%.min)	: 262.53



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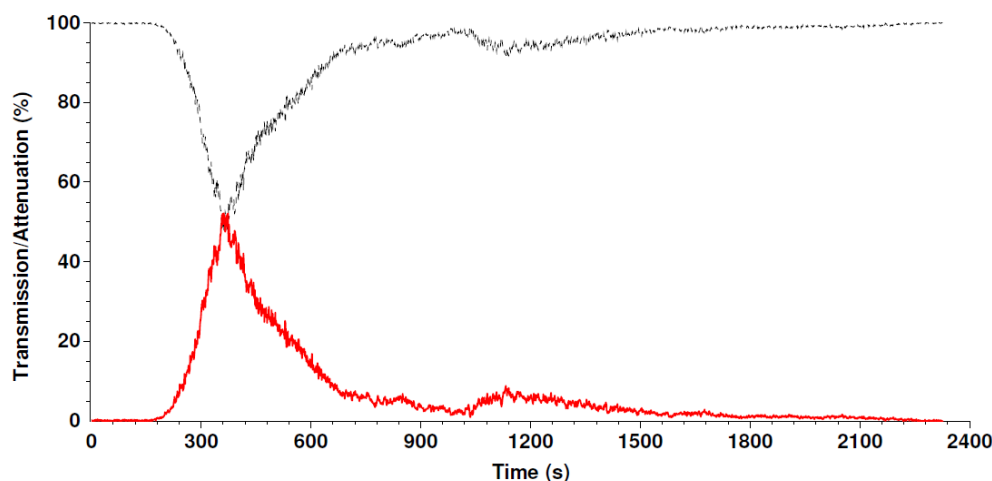
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\25030007.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	260	12.3	3.204	510	-	3.3	-
110	328	11.3	3.714	560	-	2.7	-
160	372	10.4	3.881	610	-	2.3	-
210	449	9.4	4.230	660	-	1.9	-
260	501	8.1	4.079	710	-	1.7	-
310	786	6.9	5.440	760	-	1.4	-
360	1136	5.9	6.650	810	-	1.3	-
410	1358	4.9	6.609	860	-	1.1	-
460	1787	4.0	7.141	910	-	1.0	-

MAIKO NISHIO
Laboratory Coordinator
APPROVED SIGNATORY



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 34 minutes 36 seconds (2076 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.85
HF-10 (kW/m ²)	: 7.17
HF-20 (kW/m ²)	: 4.52
HF-30 (kW/m ²)	: 4.00
Flame spread at 10 minutes (mm)	: 300
Flame spread at 20 minutes (mm)	: 430
Flame spread at 30 minutes (mm)	: 460
Peak light attenuation (%)	: 59.15
Time to peak light attenuation	: 6 minutes 05 seconds (365 s)
Total integrated smoke (%.min)	: 267.52



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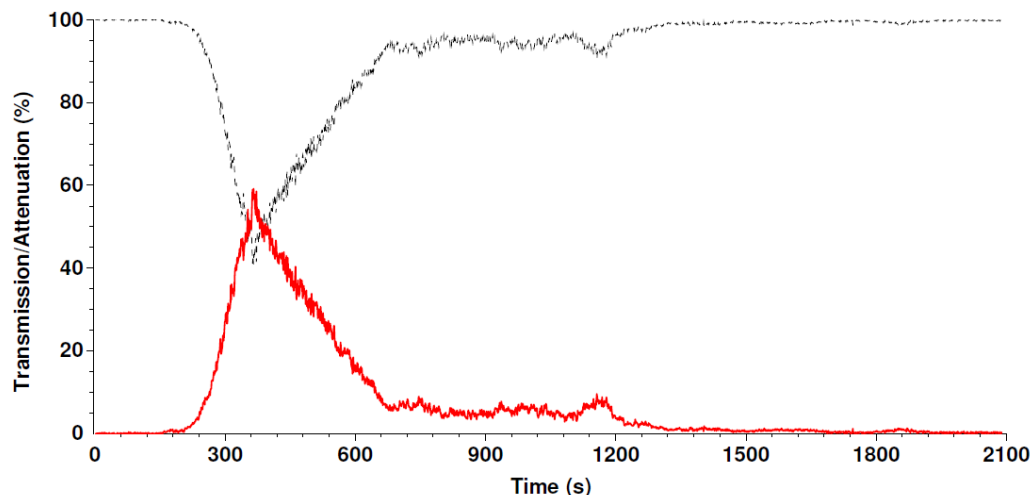
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
File name : C:\FRPSOFT\DATA\25030008.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	239	12.3	2.945	510	-	3.3	-
110	334	11.3	3.782	560	-	2.7	-
160	339	10.4	3.536	610	-	2.3	-
210	396	9.4	3.730	660	-	1.9	-
260	446	8.1	3.631	710	-	1.7	-
310	643	6.9	4.450	760	-	1.4	-
360	872	5.9	5.105	810	-	1.3	-
410	1097	4.9	5.339	860	-	1.1	-
460	1738	4.0	6.945	910	-	1.0	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 45 seconds (165 s)
Time to flameout	: 46 minutes 23 seconds (2783 s)
Extent of burning (mm)	: 500
Critical flux at extinguishment (kW/m ²)	: 3.41
HF-10 (kW/m ²)	: 7.17
HF-20 (kW/m ²)	: 4.52
HF-30 (kW/m ²)	: 3.70
Flame spread at 10 minutes (mm)	: 300
Flame spread at 20 minutes (mm)	: 430
Flame spread at 30 minutes (mm)	: 480
Peak light attenuation (%)	: 53.46
Time to peak light attenuation	: 6 minutes 05 seconds (365 s)
Total integrated smoke (%.min)	: 262.98



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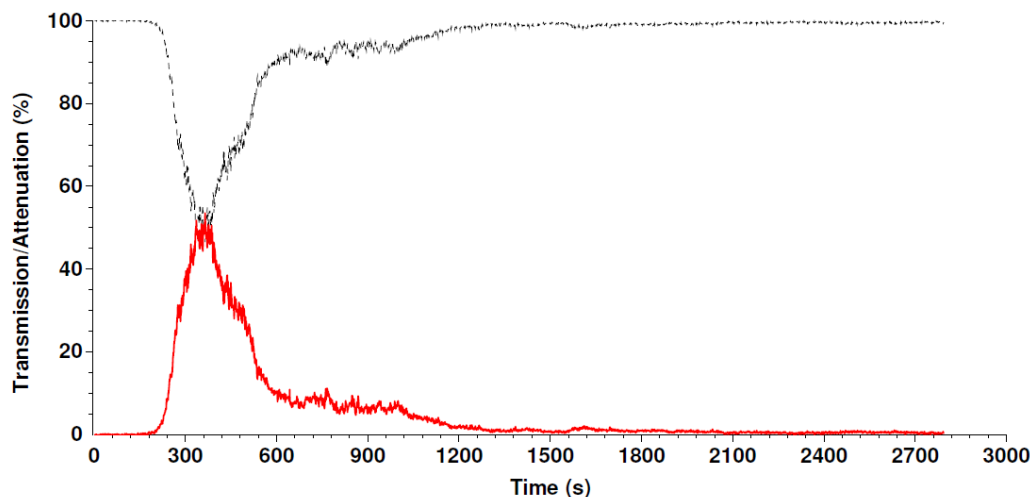
Sample 2 Length

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Smoke Graph



Test name : LENGTH2
File name : C:\FRPSOFT\DATA\25030009.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	226	12.3	2.785	510	-	3.3	-
110	286	11.3	3.238	560	-	2.7	-
160	331	10.4	3.453	610	-	2.3	-
210	384	9.4	3.617	660	-	1.9	-
260	419	8.1	3.411	710	-	1.7	-
310	640	6.9	4.429	760	-	1.4	-
360	847	5.9	4.958	810	-	1.3	-
410	1044	4.9	5.081	860	-	1.1	-
460	1486	4.0	5.938	910	-	1.0	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 40 minutes 16 seconds (2416 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.85
HF-10 (kW/m ²)	: 7.41
HF-20 (kW/m ²)	: 5.06
HF-30 (kW/m ²)	: 4.17
Flame spread at 10 minutes (mm)	: 290
Flame spread at 20 minutes (mm)	: 400
Flame spread at 30 minutes (mm)	: 450
Peak light attenuation (%)	: 52.48
Time to peak light attenuation	: 6 minutes 05 seconds (365 s)
Total integrated smoke (%.min)	: 265.77

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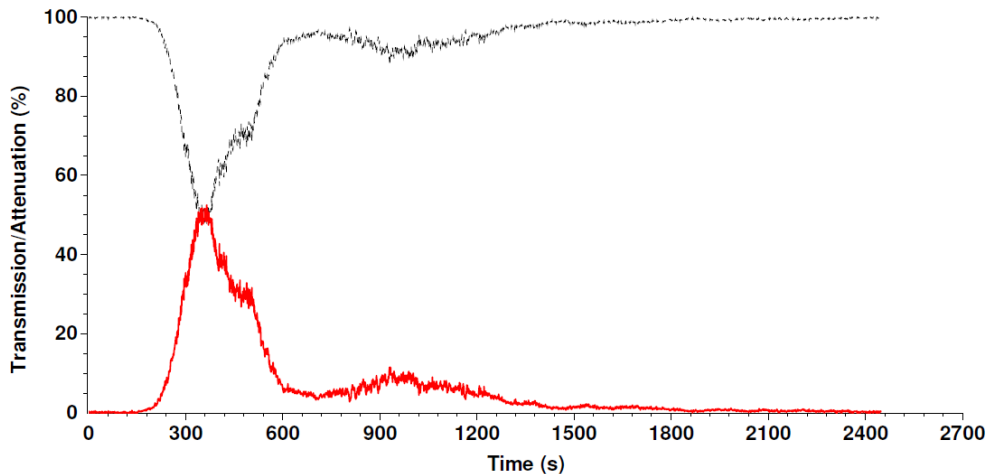
Sample 3 Length

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Smoke Graph



Test name : LENGTH3
File name : C:\FRPSOFT\DATA\25030010.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	204	12.3	2.514	510	-	3.3	-
110	286	11.3	3.238	560	-	2.7	-
160	336	10.4	3.505	610	-	2.3	-
210	386	9.4	3.636	660	-	1.9	-
260	451	8.1	3.672	710	-	1.7	-
310	734	6.9	5.080	760	-	1.4	-
360	951	5.9	5.567	810	-	1.3	-
410	1258	4.9	6.123	860	-	1.1	-
460	2021	4.0	8.076	910	-	1.0	-

END OF REPORT

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