



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R24-279
Manufacturing:	34 Airds Road Minto	Sample Received Date:	11/11/2024
	NSW 2566	Test Date:	12/12/2024
	Australia	Report Date:	13/12/2024

Sample	Client Reference: "GOSSAMER"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	882g/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	3.9	3.7	3.8	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	199	-	-	-	%.min
Width	200	205	235	213	%.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 14 seconds (134 s)
Time to flameout	: 67 minutes 01 seconds (4021 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.20
HF-10 (kW/m ²)	: 9.41
HF-20 (kW/m ²)	: 6.14
HF-30 (kW/m ²)	: 4.89
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 30.64
Time to peak light attenuation	: 7 minutes 18 seconds (438 s)
Total integrated smoke (%.min)	: 198.64



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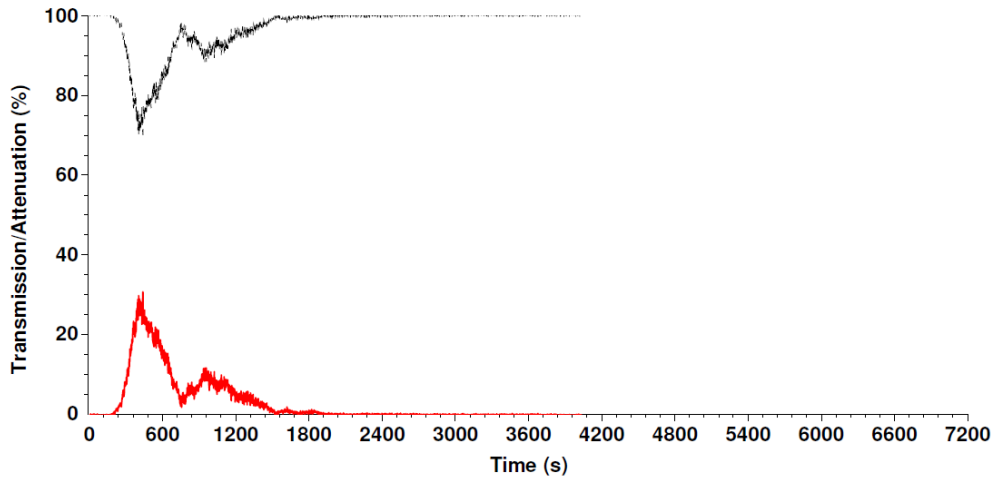
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\24120017.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	250	12.3	3.078	510	-	3.3	-
110	358	11.3	4.049	560	-	2.7	-
160	448	10.4	4.668	610	-	2.3	-
210	589	9.4	5.541	660	-	2.0	-
260	853	8.2	6.983	710	-	1.7	-
310	980	7.0	6.885	760	-	1.5	-
360	1353	5.9	8.003	810	-	1.3	-
410	1764	4.9	8.617	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

MAIKO NISHIO
Laboratory Coordinator

APPROVED SIGNATORY



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 66 minutes 24 seconds (3984 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.89
HF-10 (kW/m ²)	: 8.92
HF-20 (kW/m ²)	: 5.92
HF-30 (kW/m ²)	: 4.71
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 31.45
Time to peak light attenuation	: 7 minutes 04 seconds (424 s)
Total integrated smoke (%.min)	: 200.46

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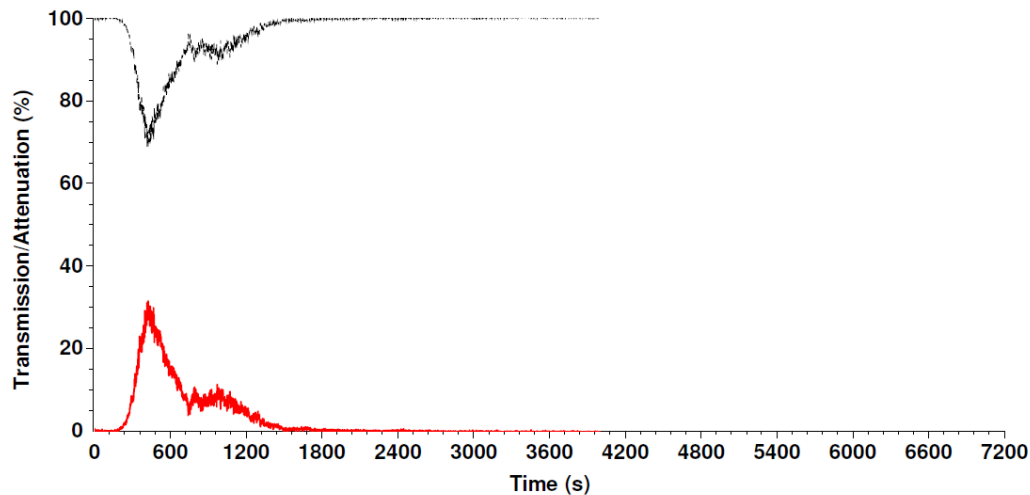
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
File name : C:\FRPSOFT\DATA\24120018.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	290	12.3	3.570	510	-	3.3	-
110	397	11.3	4.490	560	-	2.7	-
160	450	10.4	4.689	610	-	2.3	-
210	530	9.4	4.986	660	-	2.0	-
260	718	8.2	5.878	710	-	1.7	-
310	919	7.0	6.456	760	-	1.5	-
360	1226	5.9	7.252	810	-	1.3	-
410	1649	4.9	8.055	860	-	1.1	-
460	2492	4.0	10.043	910	-	1.0	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 57 minutes 45 seconds (3465 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.89
HF-10 (kW/m ²)	: 8.67
HF-20 (kW/m ²)	: 5.92
HF-30 (kW/m ²)	: 4.71
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 32.11
Time to peak light attenuation	: 7 minutes 04 seconds (424 s)
Total integrated smoke (%.min)	: 204.9



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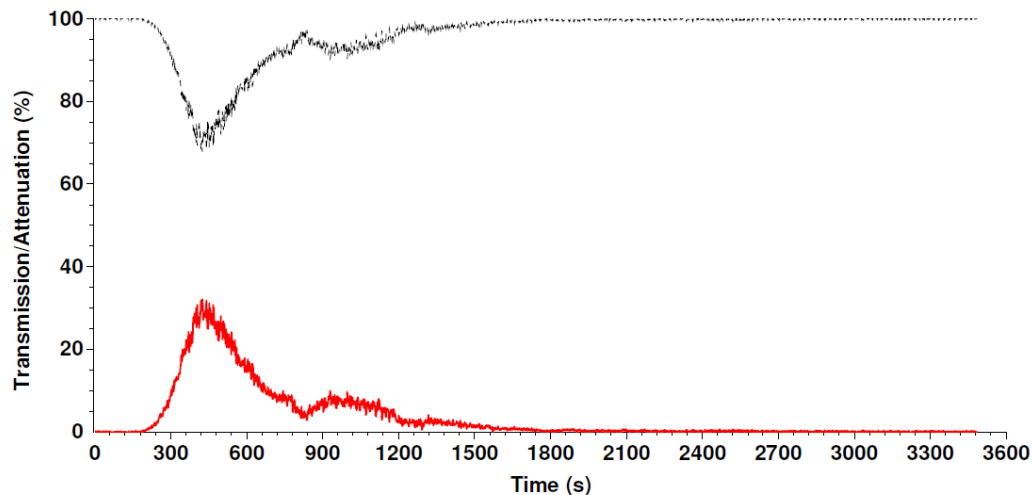
Sample 2 Width

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Smoke Graph



Test name : WIDTH2
File name : C:\FRPSOFT\DATA\24120019.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	279	12.3	3.435	510	-	3.3	-
110	352	11.3	3.981	560	-	2.7	-
160	422	10.4	4.397	610	-	2.3	-
210	493	9.4	4.638	660	-	2.0	-
260	665	8.2	5.444	710	-	1.7	-
310	906	7.0	6.365	760	-	1.5	-
360	1211	5.9	7.163	810	-	1.3	-
410	1652	4.9	8.070	860	-	1.1	-
460	2508	4.0	10.107	910	-	1.0	-

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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 67 minutes 44 seconds (4064 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.74
HF-10 (kW/m ²)	: 8.67
HF-20 (kW/m ²)	: 5.92
HF-30 (kW/m ²)	: 4.71
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 33.63
Time to peak light attenuation	: 6 minutes 46 seconds (406 s)
Total integrated smoke (%.min)	: 234.84

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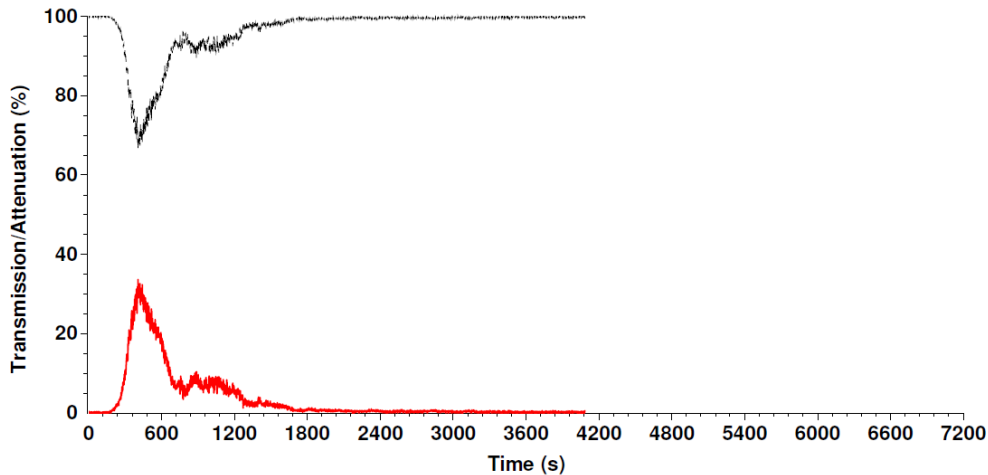
Sample 3 Width

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Smoke Graph



Test name : WIDTH3
File name : C:\FRPSOFT\DATA\24120020.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	250	12.3	3.078	510	-	3.3	-
110	348	11.3	3.936	560	-	2.7	-
160	444	10.4	4.626	610	-	2.3	-
210	506	9.4	4.760	660	-	2.0	-
260	694	8.2	5.681	710	-	1.7	-
310	940	7.0	6.604	760	-	1.5	-
360	1199	5.9	7.092	810	-	1.3	-
410	1613	4.9	7.880	860	-	1.1	-
460	2689	4.0	10.837	910	-	1.0	-

END OF REPORT

MAIKO NISHIO
Laboratory Coordinator

APPROVED SIGNATORY