



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R24-175
Manufacturing:	34 Airds Road Minto	Sample Received Date:	7/06/2024
	NSW 2566	Test Date:	29/07/2024
	Australia	Report Date:	5/08/2024

Sample	Client Reference: "DESERT RANCH"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	1120g/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	3.4	3.7	4.0	3.7	kW/m ²
Width	4.0	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	264	235	256	252	%.min
Width	221	-	-	-	%.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 19 seconds (139 s)
Time to flameout	: 48 minutes 05 seconds (2885 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.42
HF-10 (kW/m ²)	: 9.59
HF-20 (kW/m ²)	: 5.70
HF-30 (kW/m ²)	: 4.09
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: 370
Flame spread at 30 minutes (mm)	: 460
Peak light attenuation (%)	: 30.25
Time to peak light attenuation	: 7 minutes 17 seconds (437 s)
Total integrated smoke (%.min)	: 263.63

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TEST REPORT

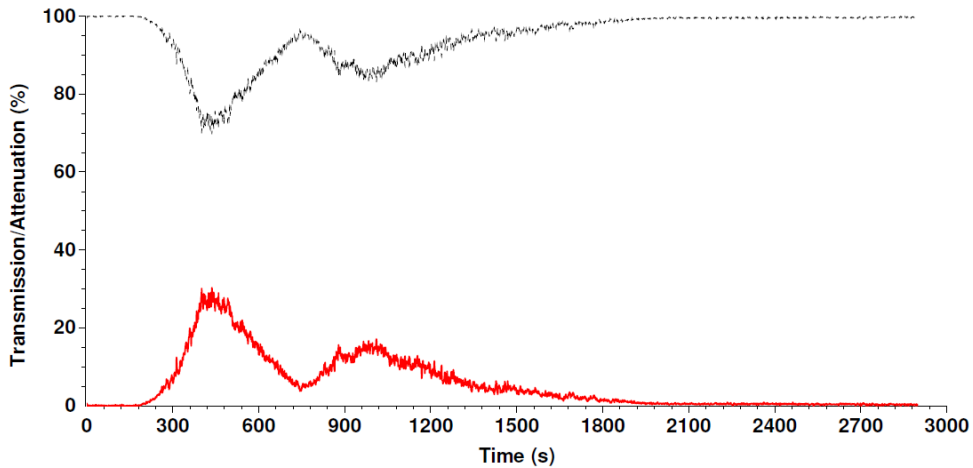
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Sample 1 Length Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\24070057.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	254	12.4	3.160	510	2418	3.4	8.265
110	369	11.4	4.202	560	-	2.8	-
160	444	10.4	4.637	610	-	2.3	-
210	657	9.4	6.162	660	-	2.0	-
260	873	8.2	7.117	710	-	1.7	-
310	980	7.0	6.845	760	-	1.5	-
360	1160	5.9	6.847	810	-	1.3	-
410	1400	4.9	6.861	860	-	1.2	-
460	1786	4.1	7.303	910	-	1.1	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 46 minutes 08 seconds (2768 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.95
HF-10 (kW/m ²)	: 8.89
HF-20 (kW/m ²)	: 5.90
HF-30 (kW/m ²)	: 4.41
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 440
Peak light attenuation (%)	: 33.7
Time to peak light attenuation	: 6 minutes 16 seconds (376 s)
Total integrated smoke (%.min)	: 221.33

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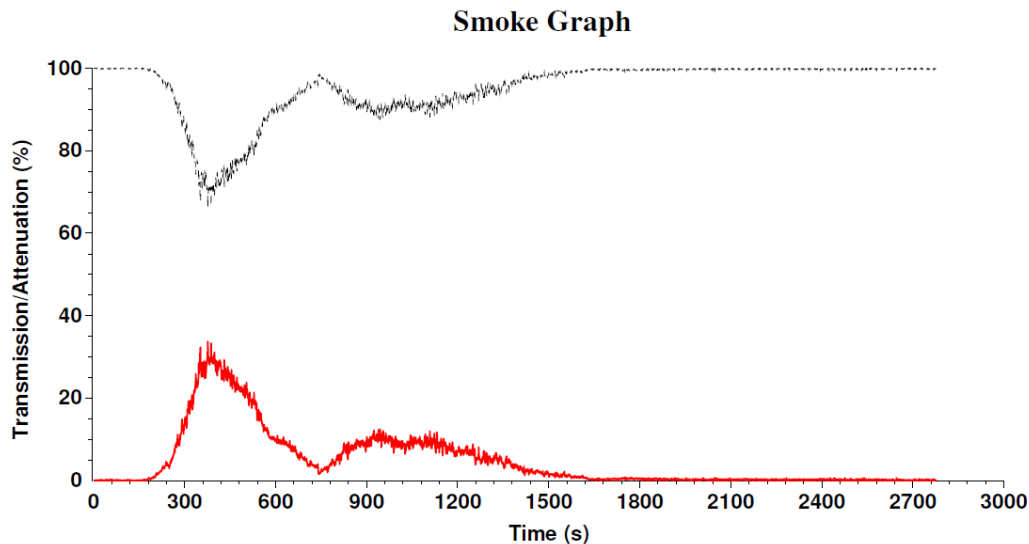
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Sample 1 Width

Light Attenuation Over Time and Rake Results

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Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24070058.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	238	12.4	2.961	510	-	3.4	-
110	334	11.4	3.804	560	-	2.8	-
160	402	10.4	4.198	610	-	2.3	-
210	510	9.4	4.783	660	-	2.0	-
260	724	8.2	5.902	710	-	1.7	-
310	957	7.0	6.685	760	-	1.5	-
360	1200	5.9	7.084	810	-	1.3	-
410	1517	4.9	7.435	860	-	1.2	-
460	2474	4.1	10.116	910	-	1.1	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 47 minutes 28 seconds (2848 s)
Extent of burning (mm)	: 490
Critical flux at extinguishment (kW/m ²)	: 3.69
HF-10 (kW/m ²)	: 8.15
HF-20 (kW/m ²)	: 5.70
HF-30 (kW/m ²)	: 4.41
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 370
Flame spread at 30 minutes (mm)	: 440
Peak light attenuation (%)	: 41.57
Time to peak light attenuation	: 6 minutes 51 seconds (411 s)
Total integrated smoke (%.min)	: 235.08

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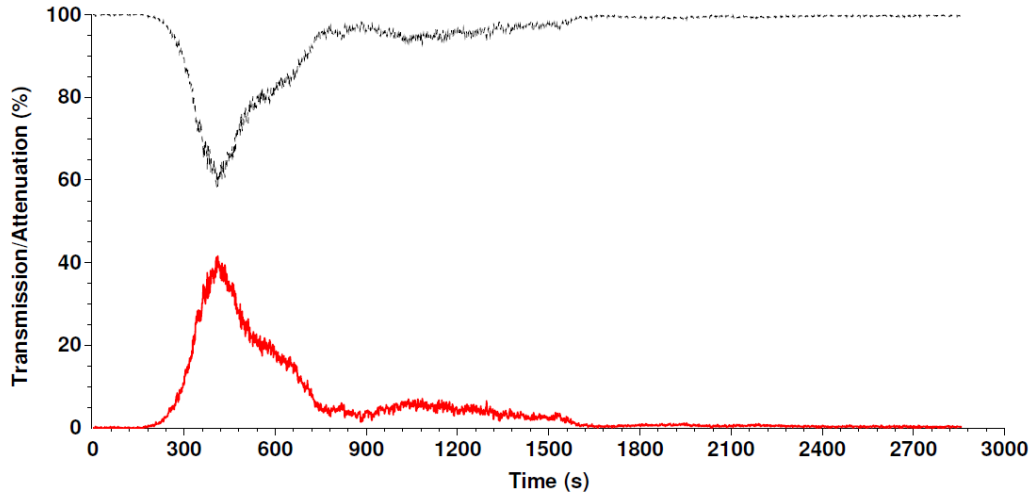
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Sample 2 Length Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH2
File name : C:\FRPSOFT\DATA\24070059.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	236	12.4	2.936	510	-	3.4	-
110	311	11.4	3.542	560	-	2.8	-
160	393	10.4	4.104	610	-	2.3	-
210	466	9.4	4.371	660	-	2.0	-
260	591	8.2	4.818	710	-	1.7	-
310	929	7.0	6.489	760	-	1.5	-
360	1163	5.9	6.865	810	-	1.3	-
410	1547	4.9	7.582	860	-	1.2	-
460	2323	4.1	9.499	910	-	1.1	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 58 minutes 41 seconds (3521 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.95
HF-10 (kW/m ²)	: 8.64
HF-20 (kW/m ²)	: 5.90
HF-30 (kW/m ²)	: 5.10
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 35.66
Time to peak light attenuation	: 8 minutes 01 seconds (481 s)
Total integrated smoke (%.min)	: 255.87

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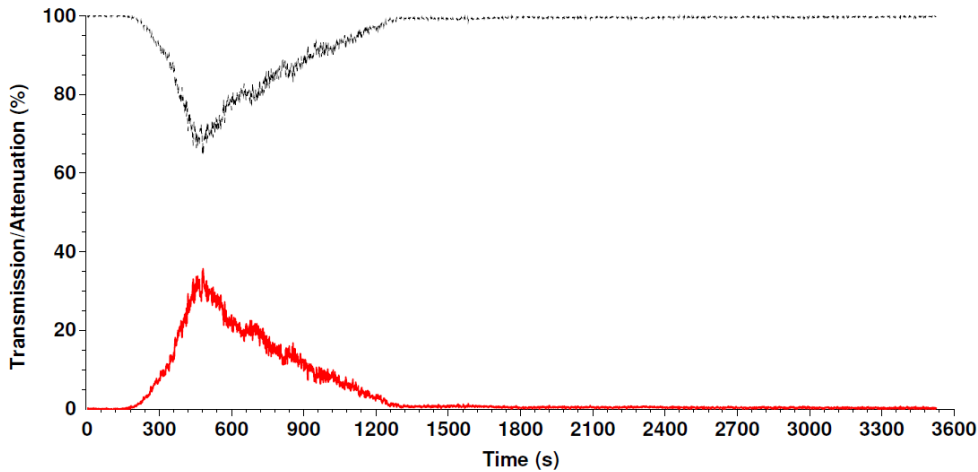
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Sample 3 Length Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\24070060.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	259	12.4	3.222	510	-	3.4	-
110	345	11.4	3.929	560	-	2.8	-
160	439	10.4	4.584	610	-	2.3	-
210	532	9.4	4.990	660	-	2.0	-
260	658	8.2	5.364	710	-	1.7	-
310	825	7.0	5.763	760	-	1.5	-
360	1144	5.9	6.753	810	-	1.3	-
410	1945	4.9	9.532	860	-	1.2	-
460	2668	4.1	10.909	910	-	1.1	-

END OF REPORT

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Product Technical Manager

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