



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R24-149
Manufacturing:	34 Airds Road Minto	Sample Received Date:	30/01/2024
	NSW 2566	Test Date:	8/07/2024
	Australia	Report Date:	8/07/2024

Sample	Client Reference: "E616"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	610g/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	4.7	-	-	-	kW/m ²
Width	4.6	4.1	4.2	4.3	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	153	-	-	-	%.min
Width	170	181	171	174	%.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 13 seconds (133 s)
Time to flameout	: 36 minutes 54 seconds (2214 s)
Extent of burning (mm)	: 420
Critical flux at extinguishment (kW/m ²)	: 4.72
HF-10 (kW/m ²)	: 8.93
HF-20 (kW/m ²)	: 6.15
HF-30 (kW/m ²)	: 4.72
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 35.97
Time to peak light attenuation	: 5 minutes 46 seconds (346 s)
Total integrated smoke (%.min)	: 153.08

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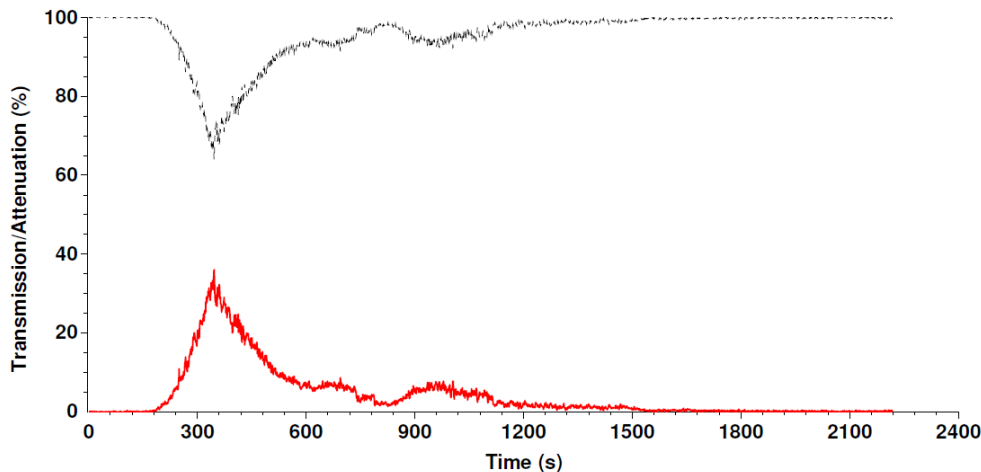
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1

File name : C:\FRPSOFT\DATA\24070017.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	233	12.3	2.857	510	-	3.4	-
110	321	11.3	3.621	560	-	2.8	-
160	388	10.4	4.039	610	-	2.4	-
210	505	9.4	4.757	660	-	2.0	-
260	719	8.2	5.899	710	-	1.7	-
310	1004	7.0	7.076	760	-	1.5	-
360	1305	5.9	7.733	810	-	1.3	-
410	1691	4.9	8.257	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 40 minutes 45 seconds (2445 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m ²)	: 4.55
HF-10 (kW/m ²)	: 8.93
HF-20 (kW/m ²)	: 5.93
HF-30 (kW/m ²)	: 4.72
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 32.74
Time to peak light attenuation	: 5 minutes 42 seconds (342 s)
Total integrated smoke (%.min)	: 170.22

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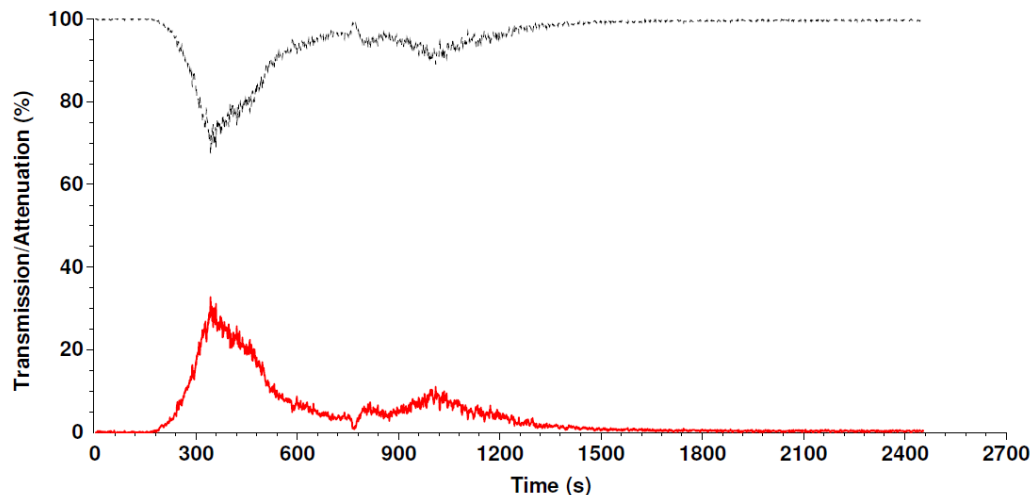
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
File name : C:\FRPSOFT\DATA\24070018.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	12.3	3.114	510	-	3.4	-
110	318	11.3	3.587	560	-	2.8	-
160	427	10.4	4.445	610	-	2.4	-
210	523	9.4	4.927	660	-	2.0	-
260	767	8.2	6.292	710	-	1.7	-
310	1010	7.0	7.118	760	-	1.5	-
360	1203	5.9	7.129	810	-	1.3	-
410	1589	4.9	7.759	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 55 minutes 46 seconds (3346 s)
Extent of burning (mm)	: 460
Critical flux at extinguishment (kW/m ²)	: 4.06
HF-10 (kW/m ²)	: 9.18
HF-20 (kW/m ²)	: 6.15
HF-30 (kW/m ²)	: 4.88
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 33.96
Time to peak light attenuation	: 5 minutes 41 seconds (341 s)
Total integrated smoke (%.min)	: 181.42

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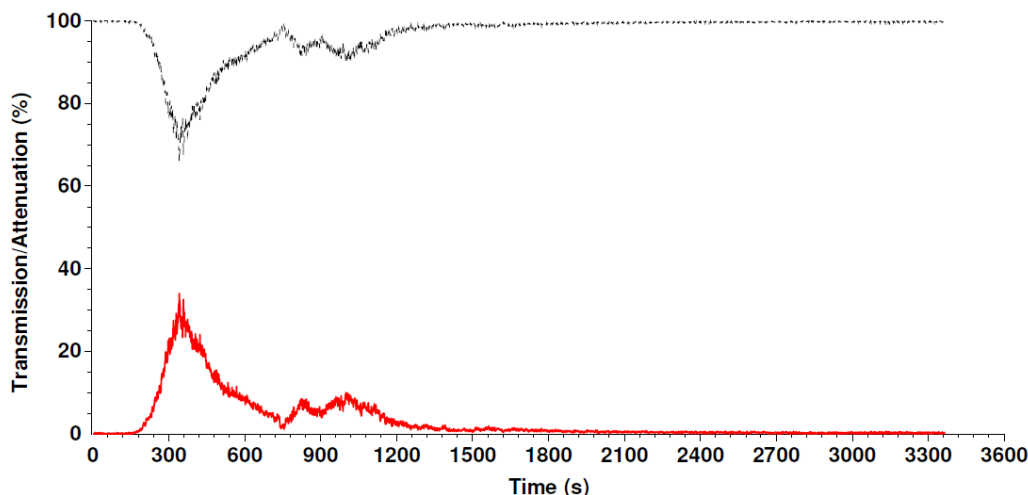
Sample 2 Width

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Smoke Graph



Test name : WIDTH2
File name : C:\FRPSOFT\DATA\24070019.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	235	12.3	2.881	510	-	3.4	-
110	366	11.3	4.128	560	-	2.8	-
160	416	10.4	4.331	610	-	2.4	-
210	545	9.4	5.134	660	-	2.0	-
260	784	8.2	6.432	710	-	1.7	-
310	1025	7.0	7.224	760	-	1.5	-
360	1331	5.9	7.888	810	-	1.3	-
410	1709	4.9	8.345	860	-	1.2	-
460	2507	4.1	10.173	910	-	1.1	-

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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 48 minutes 45 seconds (2925 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.22
HF-10 (kW/m ²)	: 8.93
HF-20 (kW/m ²)	: 5.93
HF-30 (kW/m ²)	: 4.72
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 37.29
Time to peak light attenuation	: 5 minutes 44 seconds (344 s)
Total integrated smoke (%.min)	: 171.16

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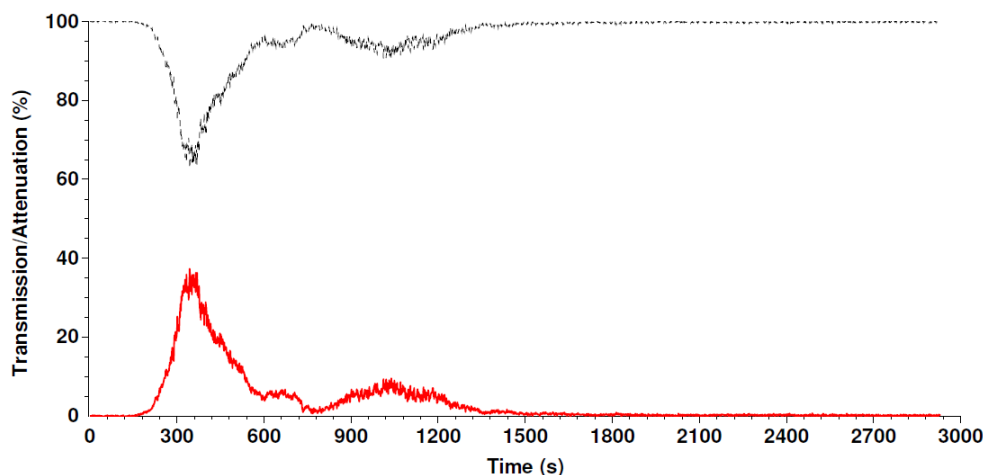
Sample 3 Width

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Smoke Graph



Test name : WIDTH3
File name : C:\FRPSOFT\DATA\24070020.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	251	12.3	3.078	510	-	3.4	-
110	335	11.3	3.779	560	-	2.8	-
160	411	10.4	4.279	610	-	2.4	-
210	516	9.4	4.861	660	-	2.0	-
260	781	8.2	6.407	710	-	1.7	-
310	949	7.0	6.689	760	-	1.5	-
360	1211	5.9	7.176	810	-	1.3	-
410	1564	4.9	7.637	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

END OF REPORT

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