



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R24-142
Manufacturing:	34 Airds Road Minto	Sample Received Date:	30/01/2024
	NSW 2566	Test Date:	27/06/2024
	Australia	Report Date:	28/06/2024

Sample	Client Reference: "E614"	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	4.7	-	-	-	kW/m ²
Width	4.2	4.2	4.2	4.2	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	165	-	-	-	%.min
Width	173	190	210	191	%.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 16 seconds (136 s)
Time to flameout	: 37 minutes 16 seconds (2236 s)
Extent of burning (mm)	: 420
Critical flux at extinguishment (kW/m ²)	: 4.72
HF-10 (kW/m ²)	: 9.18
HF-20 (kW/m ²)	: 6.37
HF-30 (kW/m ²)	: 5.09
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 28.04
Time to peak light attenuation	: 7 minutes 27 seconds (447 s)
Total integrated smoke (%.min)	: 165.27

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TEST REPORT

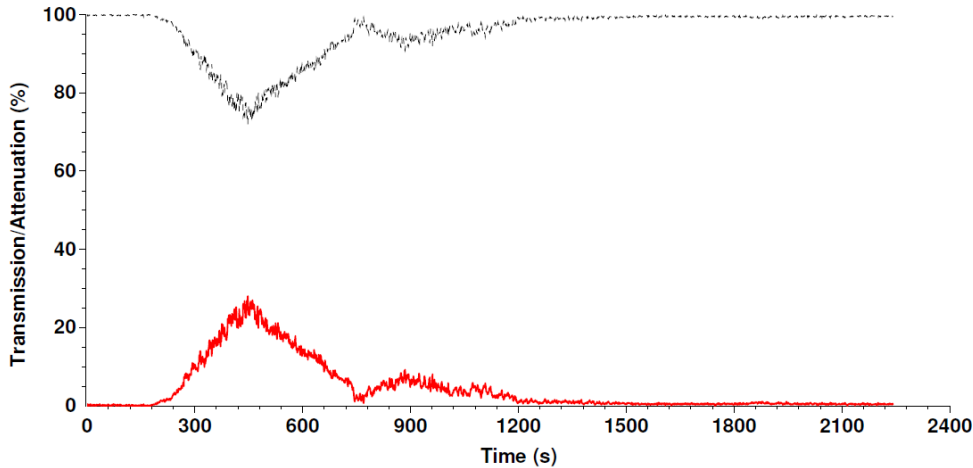
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Sample 1 Length
Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

page 3

Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24060037.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	267	12.3	3.274	510	-	3.4	-
110	365	11.3	4.117	560	-	2.8	-
160	435	10.4	4.528	610	-	2.4	-
210	580	9.4	5.464	660	-	2.0	-
260	795	8.2	6.522	710	-	1.7	-
310	1034	7.0	7.288	760	-	1.5	-
360	1428	5.9	8.462	810	-	1.3	-
410	1977	4.9	9.654	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 19 seconds (139 s)
Time to flameout	: 44 minutes 08 seconds (2648 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.22
HF-10 (kW/m ²)	: 9.42
HF-20 (kW/m ²)	: 6.37
HF-30 (kW/m ²)	: 5.09
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 29.9
Time to peak light attenuation	: 6 minutes 50 seconds (410 s)
Total integrated smoke (%.min)	: 173.33

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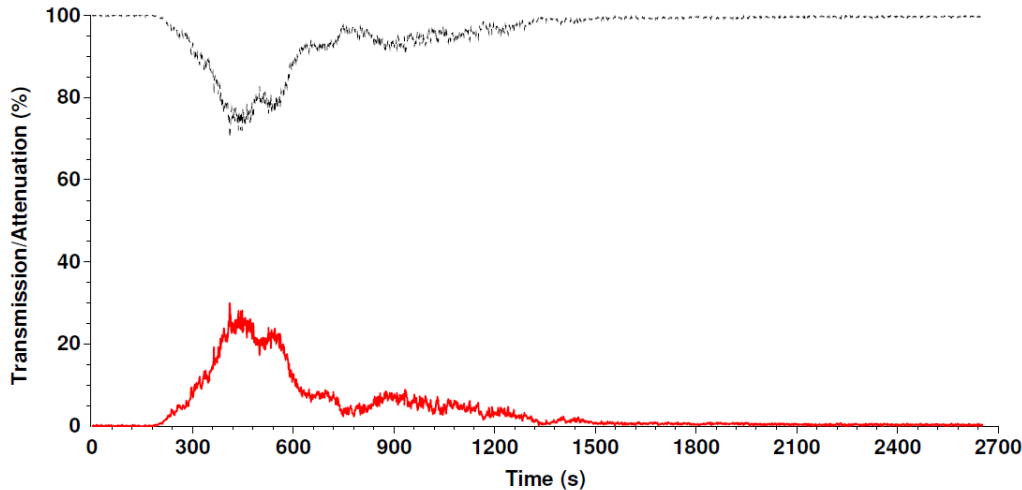
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Sample 1 Width
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Report produced with the Fire Testing Technology FRPSoft software

page 3

Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24060038.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	320	12.3	3.924	510	-	3.4	-
110	392	11.3	4.422	560	-	2.8	-
160	474	10.4	4.934	610	-	2.4	-
210	598	9.4	5.633	660	-	2.0	-
260	871	8.2	7.146	710	-	1.7	-
310	1052	7.0	7.414	760	-	1.5	-
360	1432	5.9	8.486	810	-	1.3	-
410	1881	4.9	9.185	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 47 minutes 36 seconds (2856 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.22
HF-10 (kW/m ²)	: 9.42
HF-20 (kW/m ²)	: 6.15
HF-30 (kW/m ²)	: 5.09
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 29.47
Time to peak light attenuation	: 7 minutes 28 seconds (448 s)
Total integrated smoke (%.min)	: 189.94

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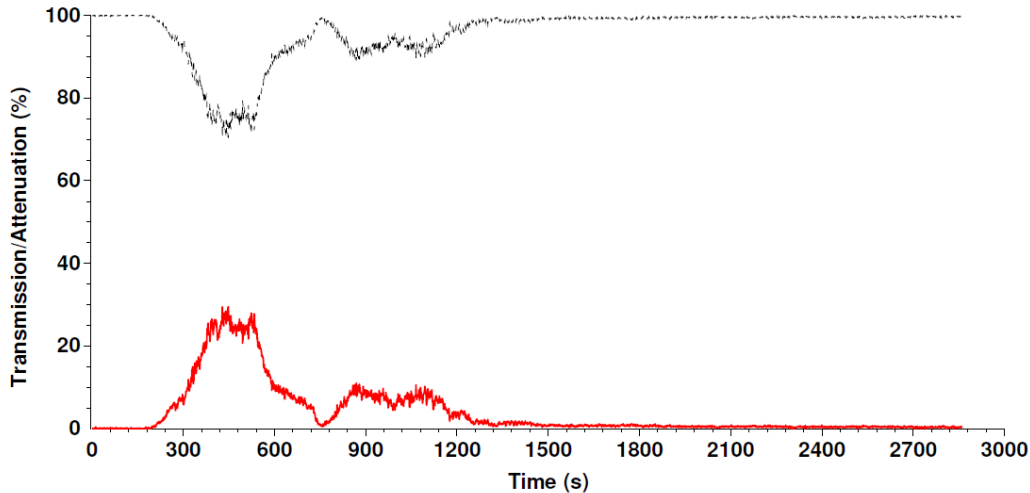
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Sample 2 Width
Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

page 3

Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\24060039.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	303	12.3	3.715	510	-	3.4	-
110	402	11.3	4.535	560	-	2.8	-
160	457	10.4	4.757	610	-	2.4	-
210	579	9.4	5.454	660	-	2.0	-
260	841	8.2	6.900	710	-	1.7	-
310	984	7.0	6.935	760	-	1.5	-
360	1381	5.9	8.184	810	-	1.3	-
410	1982	4.9	9.678	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 17 seconds (137 s)
Time to flameout	: 42 minutes 01 seconds (2521 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.22
HF-10 (kW/m ²)	: 8.69
HF-20 (kW/m ²)	: 6.15
HF-30 (kW/m ²)	: 4.72
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 37.3
Time to peak light attenuation	: 7 minutes 06 seconds (426 s)
Total integrated smoke (%.min)	: 209.58

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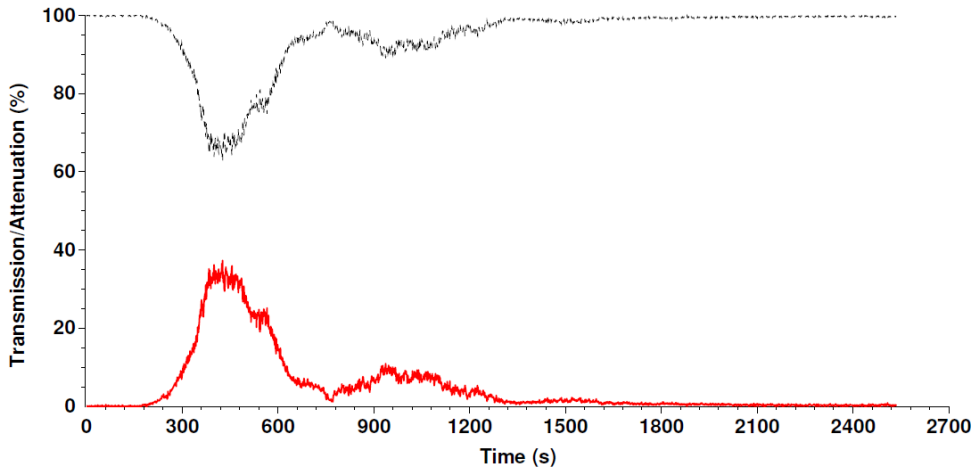
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Sample 3 Width
Light Attenuation Over Time and Rake Results

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page 3

Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\24060040.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	300	12.3	3.678	510	-	3.4	-
110	380	11.3	4.286	560	-	2.8	-
160	446	10.4	4.643	610	-	2.4	-
210	504	9.4	4.748	660	-	2.0	-
260	739	8.2	6.063	710	-	1.7	-
310	924	7.0	6.512	760	-	1.5	-
360	1277	5.9	7.568	810	-	1.3	-
410	1714	4.9	8.369	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

END OF REPORT

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Product Technical Manager

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