



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R24-057
Manufacturing:	34 Airds Road Minto	Sample Received Date:	2/04/2024
	NSW 2566	Test Date:	30/01/2024
	Australia	Report Date:	2/05/2024

Sample	Client Reference: "ZERA"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	1051g/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	3.8	3.8	5.1	4.2	kW/m ²
Width	3.8	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	178	241	183	200	%.min
Width	169	-	-	-	%.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 13 seconds (133 s)
Time to flameout	: 65 minutes 21 seconds (3921 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.77
HF-10 (kW/m ²)	: 8.99
HF-20 (kW/m ²)	: 7.06
HF-30 (kW/m ²)	: 6.17
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 310
Flame spread at 30 minutes (mm)	: 350
Peak light attenuation (%)	: 35.22
Time to peak light attenuation	: 8 minutes 53 seconds (533 s)
Total integrated smoke (%.min)	: 177.6

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TEST REPORT

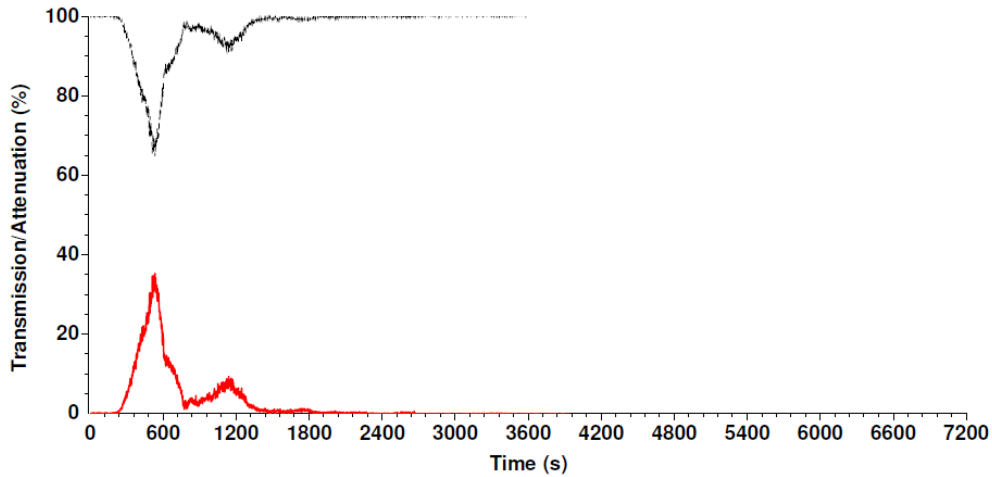
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24010049.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	329	12.1	3.983	510	-	3.3	-
110	385	11.2	4.311	560	-	2.8	-
160	465	10.4	4.836	610	-	2.3	-
210	542	9.5	5.140	660	-	2.0	-
260	859	8.2	7.078	710	-	1.7	-
310	1129	7.1	7.967	760	-	1.4	-
360	1912	5.9	11.363	810	-	1.2	-
410	2589	4.9	12.709	860	-	1.0	-
460	3355	4.1	13.615	910	-	0.9	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 09 seconds (129 s)
Time to flameout	: 64 minutes 11 seconds (3851 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.77
HF-10 (kW/m ²)	: 9.85
HF-20 (kW/m ²)	: 7.53
HF-30 (kW/m ²)	: 5.94
Flame spread at 10 minutes (mm)	: 190
Flame spread at 20 minutes (mm)	: 290
Flame spread at 30 minutes (mm)	: 360
Peak light attenuation (%)	: 21.86
Time to peak light attenuation	: 8 minutes 27 seconds (507 s)
Total integrated smoke (%.min)	: 168.73

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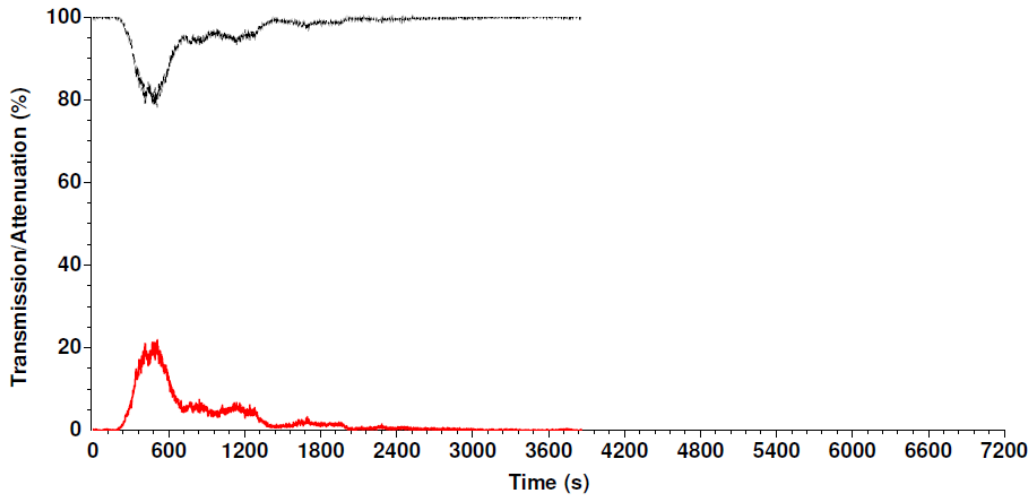
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Sample 1 Width
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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24010050.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	304	12.1	3.680	510	-	3.3	-
110	381	11.2	4.266	560	-	2.8	-
160	464	10.4	4.826	610	-	2.3	-
210	759	9.5	7.198	660	-	2.0	-
260	930	8.2	7.663	710	-	1.7	-
310	1322	7.1	9.329	760	-	1.4	-
360	1802	5.9	10.709	810	-	1.2	-
410	2309	4.9	11.335	860	-	1.0	-
460	3042	4.1	12.344	910	-	0.9	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 67 minutes 46 seconds (4066 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.77
HF-10 (kW/m ²)	: 9.67
HF-20 (kW/m ²)	: 6.83
HF-30 (kW/m ²)	: 5.74
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: 320
Flame spread at 30 minutes (mm)	: 370
Peak light attenuation (%)	: 38.44
Time to peak light attenuation	: 10 minutes 55 seconds (655 s)
Total integrated smoke (%.min)	: 240.97

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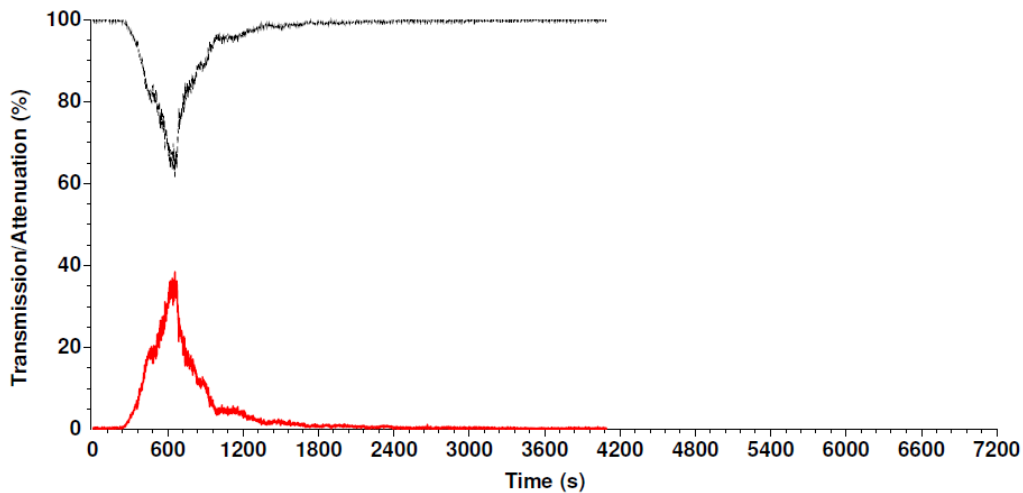
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Sample 2 Length
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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\24010051.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	198	12.1	2.397	510	-	3.3	-
110	364	11.2	4.076	560	-	2.8	-
160	532	10.4	5.533	610	-	2.3	-
210	641	9.5	6.079	660	-	2.0	-
260	821	8.2	6.765	710	-	1.7	-
310	1009	7.1	7.121	760	-	1.4	-
360	1559	5.9	9.265	810	-	1.2	-
410	2083	4.9	10.225	860	-	1.0	-
460	2989	4.1	12.129	910	-	0.9	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 42 minutes 48 seconds (2568 s)
Extent of burning (mm)	: 400
Critical flux at extinguishment (kW/m ²)	: 5.12
HF-10 (kW/m ²)	: 9.48
HF-20 (kW/m ²)	: 6.61
HF-30 (kW/m ²)	: 5.74
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 370
Peak light attenuation (%)	: 26.73
Time to peak light attenuation	: 8 minutes 42 seconds (522 s)
Total integrated smoke (%.min)	: 182.52

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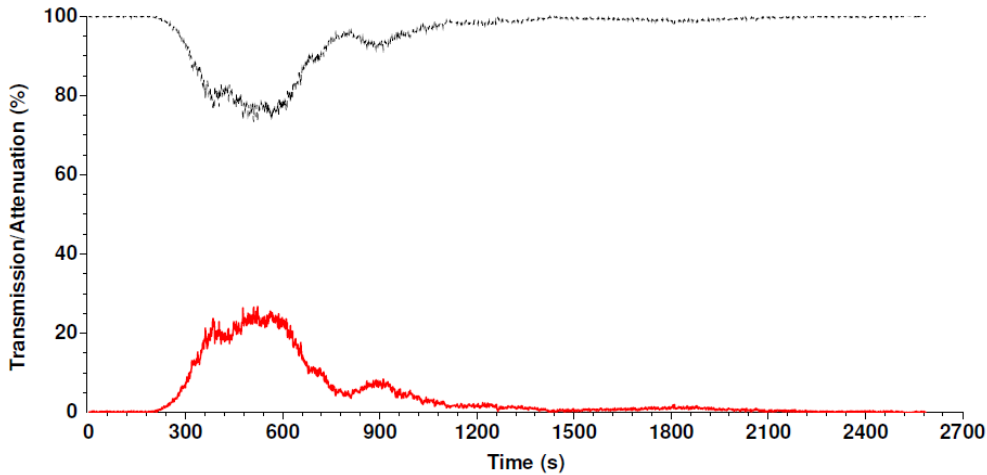
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Sample 3 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\24010052.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	217	12.1	2.627	510	-	3.3	-
110	313	11.2	3.505	560	-	2.8	-
160	458	10.4	4.764	610	-	2.3	-
210	590	9.5	5.596	660	-	2.0	-
260	784	8.2	6.460	710	-	1.7	-
310	1126	7.1	7.946	760	-	1.4	-
360	1581	5.9	9.396	810	-	1.2	-
410	-	4.9	-	860	-	1.0	-
460	-	4.1	-	910	-	0.9	-

END OF REPORT

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