



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R22-403A
Manufacturing:	34 Airds Road Minto	Sample Received Date:	21/10/2022
	NSW 2566	Test Date:	31/10/2022
	Australia	Report Date:	25/07/2023

Sample	Client Reference: "WORKS+ SENSE"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	576g/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	2.8	2.9	2.9	2.9	kW/m ²
Width	2.9	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	222	209	217	216	%.min
Width	187	-	-	-	%.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.

ALISON ATTENBOROUGH
Product Technical Manager

APPROVED SIGNATORY



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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 51 minutes 59 seconds (3119 s)
Extent of burning (mm)	: 560
Critical flux at extinguishment (kW/m ²)	: 2.81
HF-10 (kW/m ²)	: 8.11
HF-20 (kW/m ²)	: 5.21
HF-30 (kW/m ²)	: 3.83
Flame spread at 10 minutes (mm)	: 270
Flame spread at 20 minutes (mm)	: 400
Flame spread at 30 minutes (mm)	: 480
Peak light attenuation (%)	: 39.2
Time to peak light attenuation	: 5 minutes 47 seconds (347 s)
Total integrated smoke (%.min)	: 221.68



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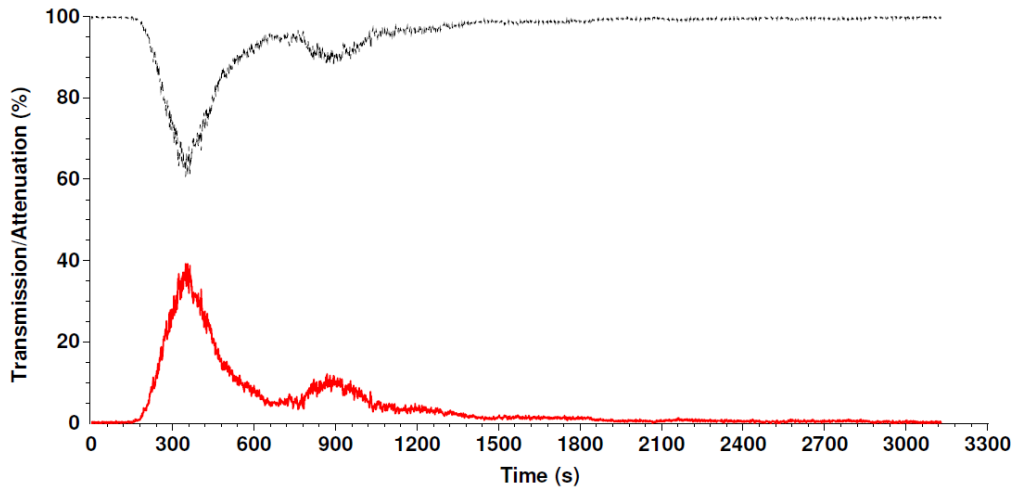
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\22100049.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	190	12.3	2.331	510	2082	3.4	7.070
110	298	11.3	3.377	560	2774	2.8	7.792
160	340	10.5	3.572	610	-	2.3	-
210	419	9.6	4.005	660	-	2.0	-
260	556	8.3	4.636	710	-	1.7	-
310	792	7.2	5.685	760	-	1.4	-
360	976	6.0	5.903	810	-	1.3	-
410	1249	5.0	6.243	860	-	1.1	-
460	1639	4.1	6.764	910	-	1.0	-



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 18 seconds (138 s)
Time to flameout	: 47 minutes 57 seconds (2877 s)
Extent of burning (mm)	: 550
Critical flux at extinguishment (kW/m ²)	: 2.93
HF-10 (kW/m ²)	: 8.11
HF-20 (kW/m ²)	: 5.21
HF-30 (kW/m ²)	: 3.54
Flame spread at 10 minutes (mm)	: 270
Flame spread at 20 minutes (mm)	: 400
Flame spread at 30 minutes (mm)	: 500
Peak light attenuation (%)	: 38.49
Time to peak light attenuation	: 5 minutes 13 seconds (313 s)
Total integrated smoke (%.min)	: 187.01



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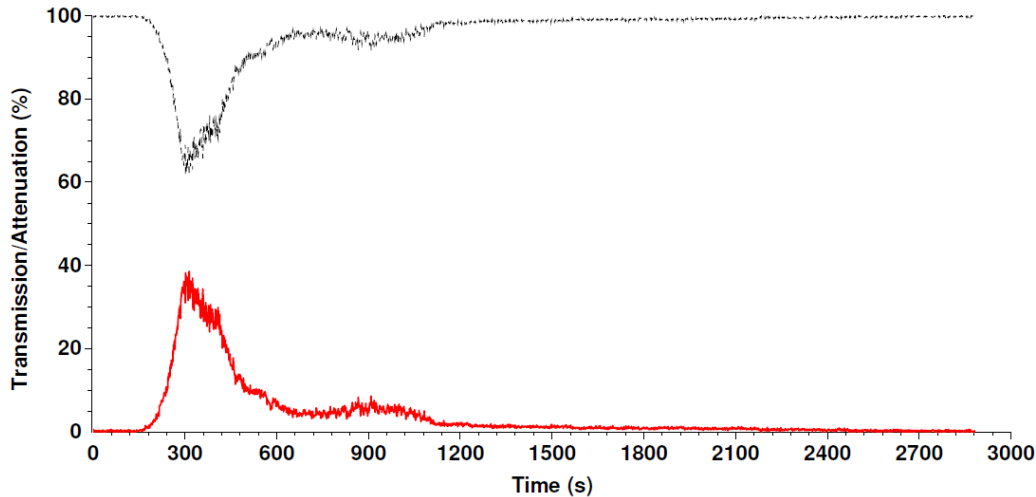
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Sample 1 Width
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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\22100050.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	194	12.3	2.380	510	2068	3.4	7.023
110	267	11.3	3.025	560	-	2.8	-
160	316	10.5	3.320	610	-	2.3	-
210	378	9.6	3.613	660	-	2.0	-
260	523	8.3	4.361	710	-	1.7	-
310	728	7.2	5.226	760	-	1.4	-
360	994	6.0	6.012	810	-	1.3	-
410	1331	5.0	6.652	860	-	1.1	-
460	1584	4.1	6.537	910	-	1.0	-



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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 50 minutes 28 seconds (3028 s)
Extent of burning (mm)	: 550
Critical flux at extinguishment (kW/m ²)	: 2.93
HF-10 (kW/m ²)	: 8.34
HF-20 (kW/m ²)	: 5.21
HF-30 (kW/m ²)	: 3.69
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 400
Flame spread at 30 minutes (mm)	: 490
Peak light attenuation (%)	: 41.48
Time to peak light attenuation	: 5 minutes 05 seconds (305 s)
Total integrated smoke (%.min)	: 209.13



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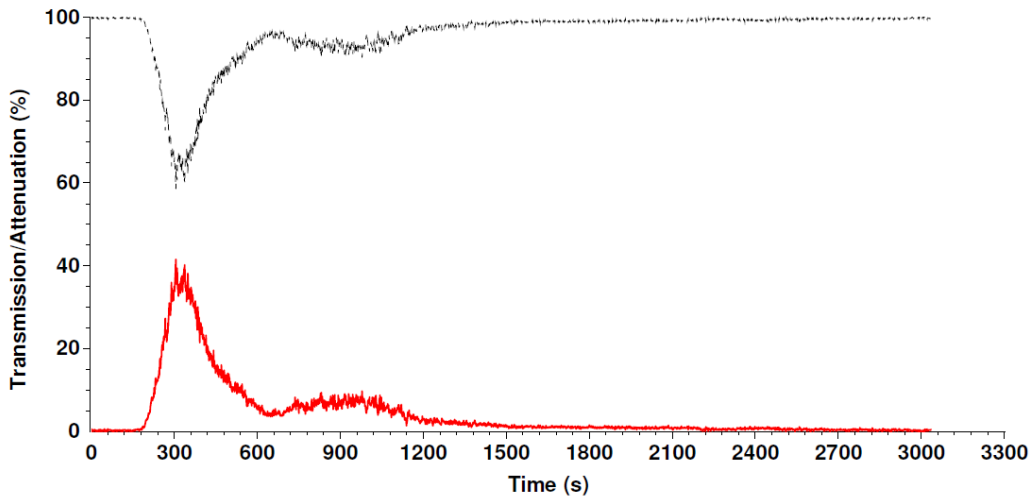
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Sample 2 Length
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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\22100051.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	185	12.3	2.269	510	2126	3.4	7.220
110	283	11.3	3.207	560	-	2.8	-
160	350	10.5	3.677	610	-	2.3	-
210	405	9.6	3.871	660	-	2.0	-
260	524	8.3	4.370	710	-	1.7	-
310	773	7.2	5.549	760	-	1.4	-
360	973	6.0	5.885	810	-	1.3	-
410	1261	5.0	6.302	860	-	1.1	-
460	1652	4.1	6.818	910	-	1.0	-



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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 25 seconds (145 s)
Time to flameout	: 70 minutes 49 seconds (4249 s)
Extent of burning (mm)	: 550
Critical flux at extinguishment (kW/m ²)	: 2.93
HF-10 (kW/m ²)	: 7.41
HF-20 (kW/m ²)	: 5.00
HF-30 (kW/m ²)	: 3.54
Flame spread at 10 minutes (mm)	: 300
Flame spread at 20 minutes (mm)	: 410
Flame spread at 30 minutes (mm)	: 500
Peak light attenuation (%)	: 43.88
Time to peak light attenuation	: 5 minutes 49 seconds (349 s)
Total integrated smoke (%.min)	: 216.67



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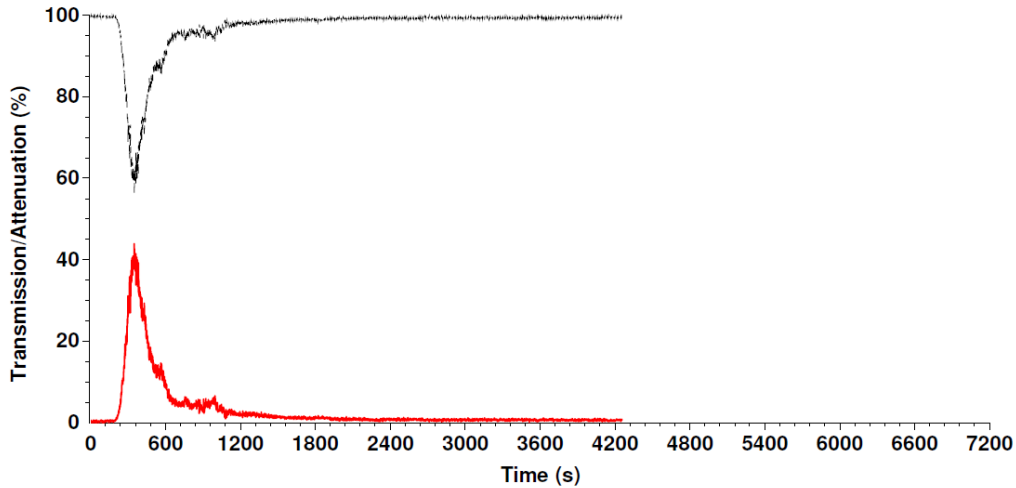
Sample 3 Length

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\22100052.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	191	12.3	2.343	510	1857	3.4	6.306
110	289	11.3	3.275	560	-	2.8	-
160	326	10.5	3.425	610	-	2.3	-
210	388	9.6	3.709	660	-	2.0	-
260	467	8.3	3.894	710	-	1.7	-
310	668	7.2	4.795	760	-	1.4	-
360	932	6.0	5.637	810	-	1.3	-
410	1195	5.0	5.973	860	-	1.1	-
460	1590	4.1	6.562	910	-	1.0	-

END OF REPORT