



TEST REPORT

Sample Manufacturing: Interface Australia PTY LTD
34 Airds Road Minto
NSW 2566
Australia

Test Report No: R24-168
Sample Received Date: 31/05/2024
Test Date: 25/07/2024
Report Date: 30/07/2024

Sample Description: Client Reference: "DESERT VEINS"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
814g/m² on a Glasbac Backing

Test Sponsor:
Interface Australia

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	3.7	3.7	3.7	3.7	kW/m ²
Width	3.8	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	220	241	230	230	%.min
Width	223	-	-	-	%.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 11 seconds (131 s)
Time to flameout	: 63 minutes 14 seconds (3794 s)
Extent of burning (mm)	: 490
Critical flux at extinguishment (kW/m ²)	: 3.65
HF-10 (kW/m ²)	: 8.93
HF-20 (kW/m ²)	: 6.37
HF-30 (kW/m ²)	: 5.09
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 35.02
Time to peak light attenuation	: 6 minutes 33 seconds (393 s)
Total integrated smoke (%.min)	: 220.43

ALISON ATTENBOROUGH
Product Technical Manager

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TEST REPORT

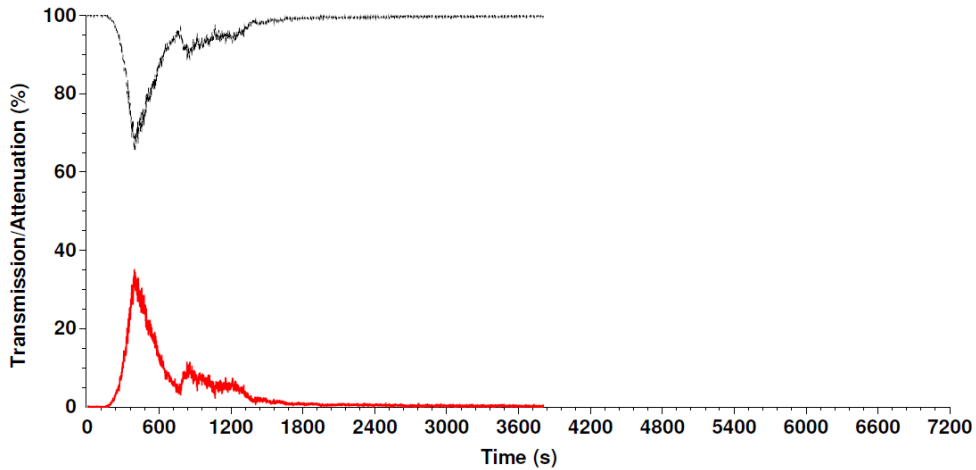
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24070053.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	294	12.3	3.605	510	-	3.4	-
110	350	11.3	3.948	560	-	2.8	-
160	429	10.4	4.466	610	-	2.4	-
210	540	9.4	5.087	660	-	2.0	-
260	797	8.2	6.539	710	-	1.7	-
310	1032	7.0	7.274	760	-	1.5	-
360	1380	5.9	8.178	810	-	1.3	-
410	1878	4.9	9.170	860	-	1.2	-
460	2550	4.1	10.348	910	-	1.1	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 18 seconds (138 s)
Time to flameout	: 55 minutes 20 seconds (3320 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.78
HF-10 (kW/m ²)	: 8.93
HF-20 (kW/m ²)	: 6.60
HF-30 (kW/m ²)	: 5.09
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 34.31
Time to peak light attenuation	: 6 minutes 42 seconds (402 s)
Total integrated smoke (%.min)	: 223.22

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TEST REPORT

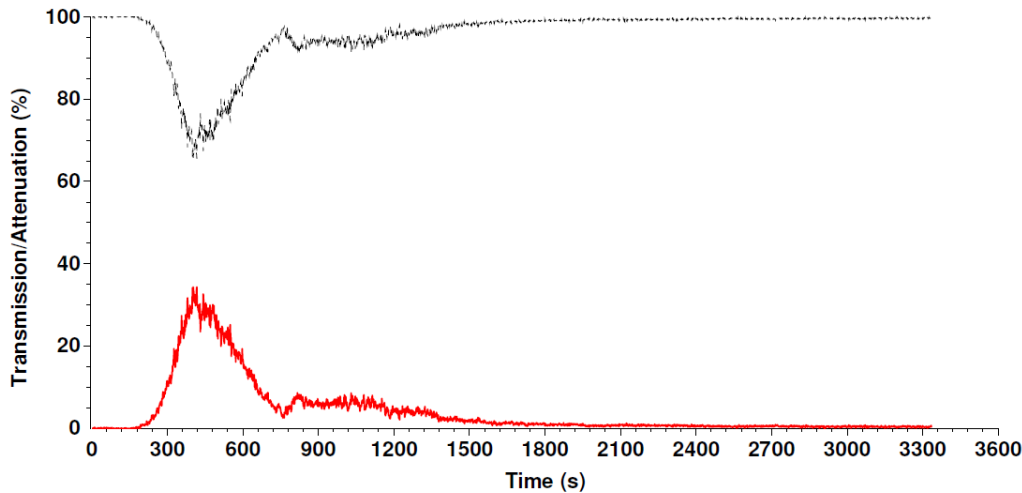
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24070054.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	261	12.3	3.200	510	-	3.4	-
110	370	11.3	4.174	560	-	2.8	-
160	437	10.4	4.549	610	-	2.4	-
210	549	9.4	5.172	660	-	2.0	-
260	844	8.2	6.924	710	-	1.7	-
310	1026	7.0	7.231	760	-	1.5	-
360	1412	5.9	8.368	810	-	1.3	-
410	1906	4.9	9.307	860	-	1.2	-
460	2477	4.1	10.052	910	-	1.1	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 09 seconds (129 s)
Time to flameout	: 55 minutes 05 seconds (3305 s)
Extent of burning (mm)	: 490
Critical flux at extinguishment (kW/m ²)	: 3.65
HF-10 (kW/m ²)	: 8.69
HF-20 (kW/m ²)	: 5.93
HF-30 (kW/m ²)	: 4.72
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 39.48
Time to peak light attenuation	: 6 minutes 29 seconds (389 s)
Total integrated smoke (%.min)	: 240.95

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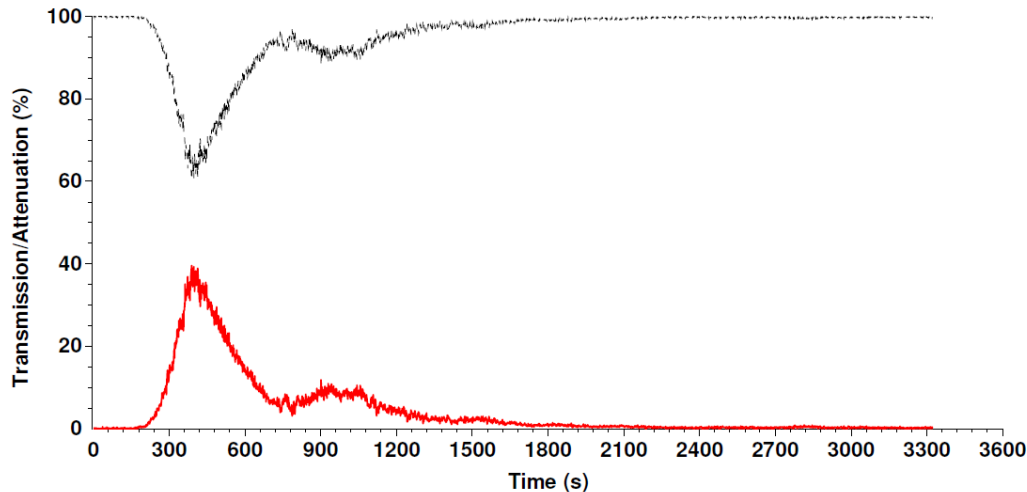
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Sample 2 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\24070055.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	253	12.3	3.102	510	-	3.4	-
110	351	11.3	3.959	560	-	2.8	-
160	424	10.4	4.414	610	-	2.4	-
210	500	9.4	4.710	660	-	2.0	-
260	665	8.2	5.456	710	-	1.7	-
310	886	7.0	6.245	760	-	1.5	-
360	1194	5.9	7.076	810	-	1.3	-
410	1667	4.9	8.140	860	-	1.2	-
460	2147	4.1	8.713	910	-	1.1	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 63 minutes 52 seconds (3832 s)
Extent of burning (mm)	: 490
Critical flux at extinguishment (kW/m ²)	: 3.65
HF-10 (kW/m ²)	: 8.93
HF-20 (kW/m ²)	: 6.37
HF-30 (kW/m ²)	: 5.09
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 38.8
Time to peak light attenuation	: 6 minutes 44 seconds (404 s)
Total integrated smoke (%.min)	: 229.45

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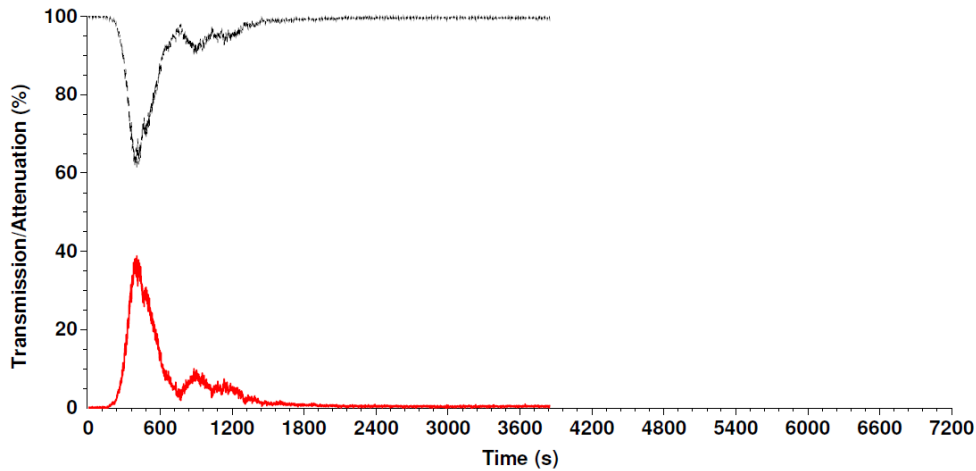
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Sample 3 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\24070056.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	246	12.3	3.016	510	-	3.4	-
110	334	11.3	3.768	560	-	2.8	-
160	448	10.4	4.664	610	-	2.4	-
210	545	9.4	5.134	660	-	2.0	-
260	709	8.2	5.817	710	-	1.7	-
310	1142	7.0	8.049	760	-	1.5	-
360	1417	5.9	8.397	810	-	1.3	-
410	1943	4.9	9.488	860	-	1.2	-
460	2500	4.1	10.145	910	-	1.1	-

END OF REPORT

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Product Technical Manager

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