



TEST REPORT

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

Test Report No: R24-005
Sample Received Date: 12/07/2023
Test Date: 11/01/2024
Report Date: 15/01/2024

Sample Description: Client Reference: "ARLEY"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
949g/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	4.6	5.1	4.2	4.6	kW/m ²
Width	4.9	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	319	143	245	236	%.min
Width	186	-	-	-	%.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 09 seconds (129 s)
Time to flameout	: 43 minutes 04 seconds (2584 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m ²)	: 4.57
HF-10 (kW/m ²)	: 8.99
HF-20 (kW/m ²)	: 6.39
HF-30 (kW/m ²)	: 5.32
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 24.01
Time to peak light attenuation	: 6 minutes 48 seconds (408 s)
Total integrated smoke (%.min)	: 318.97

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TEST REPORT

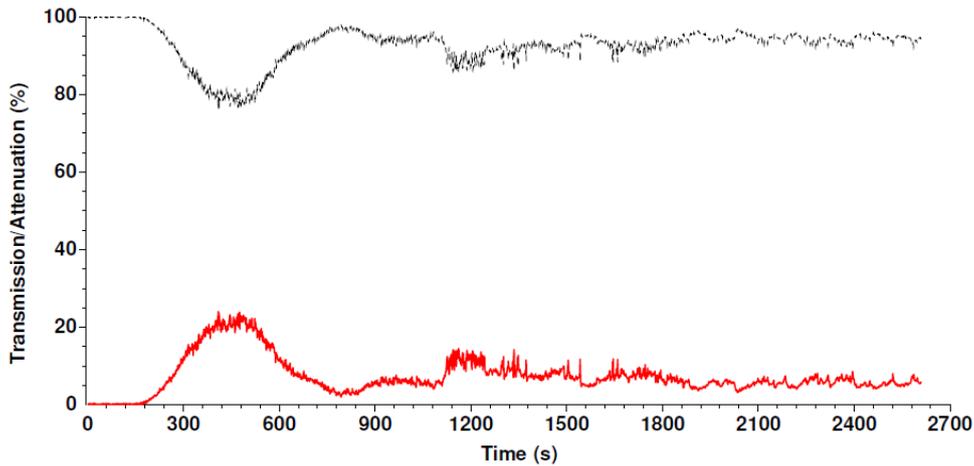
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24010013.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	258	12.1	3.123	510	-	3.3	-
110	365	11.2	4.087	560	-	2.8	-
160	423	10.4	4.400	610	-	2.3	-
210	535	9.5	5.074	660	-	2.0	-
260	847	8.2	6.979	710	-	1.7	-
310	1059	7.1	7.473	760	-	1.4	-
360	1455	5.9	8.647	810	-	1.2	-
410	2099	4.9	10.304	860	-	1.0	-
460	-	4.1	-	910	-	0.9	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 37 minutes 40 seconds (2260 s)
Extent of burning (mm)	: 410
Critical flux at extinguishment (kW/m ²)	: 4.91
HF-10 (kW/m ²)	: 8.74
HF-20 (kW/m ²)	: 6.39
HF-30 (kW/m ²)	: 5.53
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 31
Time to peak light attenuation	: 8 minutes 29 seconds (509 s)
Total integrated smoke (%.min)	: 186.1

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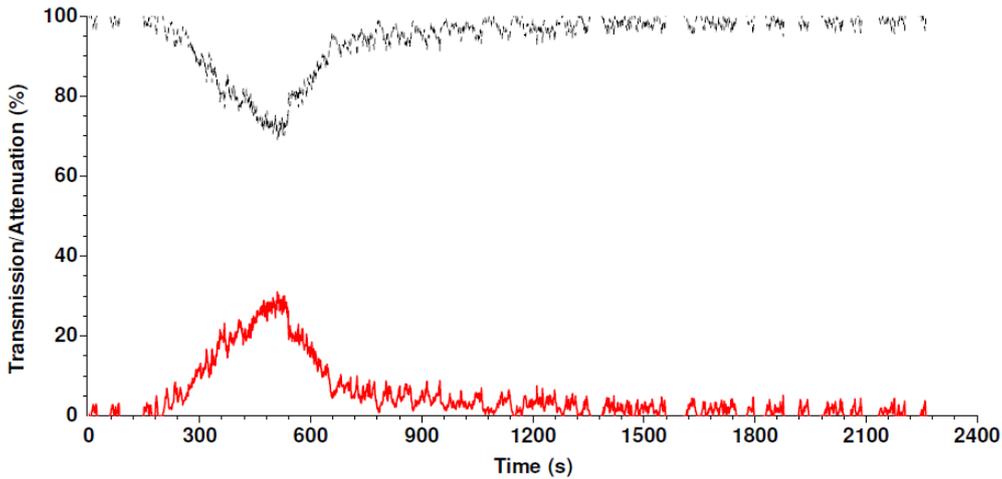
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24010014.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	263	12.1	3.184	510	-	3.3	-
110	339	11.2	3.796	560	-	2.8	-
160	431	10.4	4.483	610	-	2.3	-
210	538	9.5	5.102	660	-	2.0	-
260	672	8.2	5.537	710	-	1.7	-
310	1056	7.1	7.452	760	-	1.4	-
360	1471	5.9	8.742	810	-	1.2	-
410	2237	4.9	10.981	860	-	1.0	-
460	-	4.1	-	910	-	0.9	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 35 minutes 19 seconds (2119 s)
Extent of burning (mm)	: 400
Critical flux at extinguishment (kW/m ²)	: 5.12
HF-10 (kW/m ²)	: 8.49
HF-20 (kW/m ²)	: 6.61
HF-30 (kW/m ²)	: 5.32
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 29.57
Time to peak light attenuation	: 6 minutes 51 seconds (411 s)
Total integrated smoke (%.min)	: 142.83

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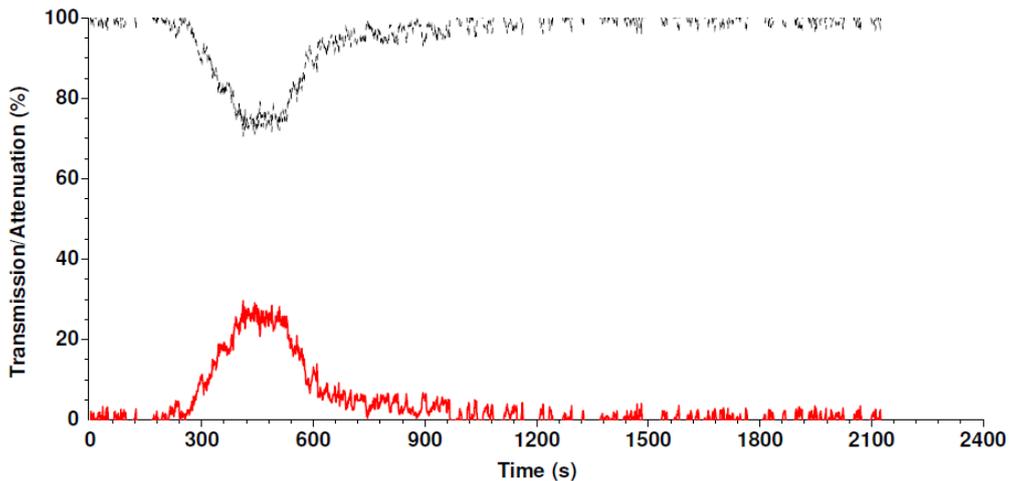
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Sample 2 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\24010015.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	179	12.1	2.167	510	-	3.3	-
110	291	11.2	3.259	560	-	2.8	-
160	399	10.4	4.150	610	-	2.3	-
210	462	9.5	4.382	660	-	2.0	-
260	690	8.2	5.686	710	-	1.7	-
310	952	7.1	6.718	760	-	1.4	-
360	1433	5.9	8.516	810	-	1.2	-
410	-	4.9	-	860	-	1.0	-
460	-	4.1	-	910	-	0.9	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 57 minutes 37 seconds (3457 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.23
HF-10 (kW/m ²)	: 8.74
HF-20 (kW/m ²)	: 6.83
HF-30 (kW/m ²)	: 5.32
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 320
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 30.85
Time to peak light attenuation	: 7 minutes 54 seconds (474 s)
Total integrated smoke (%.min)	: 244.88

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Product Technical Manager

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SYDNEY CARPET LABORATORY

OF INTERFACE AUST. PTY LIMITED - ABN 39 000 692 026

34 AIRDS ROAD, MINTO NSW 2566 - TEL: (02) 8706 4632

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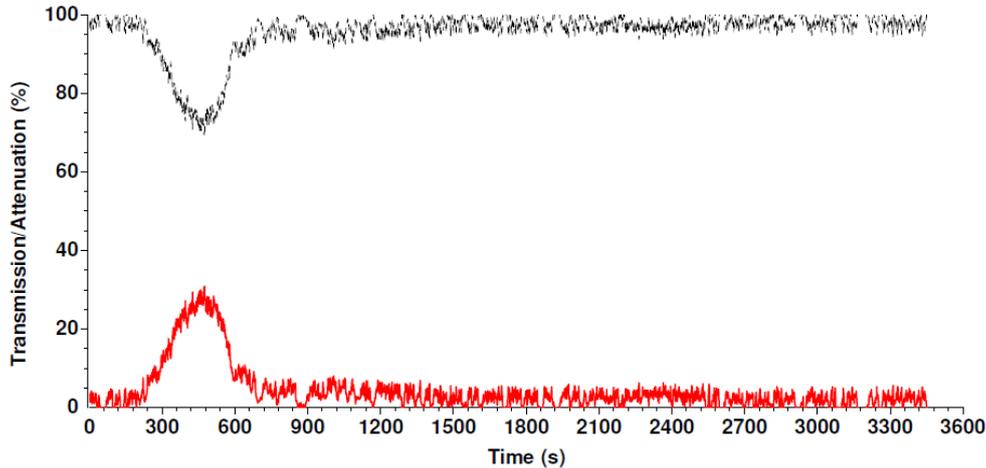
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Sample 3 Length Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\24010016.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	193	12.1	2.336	510	-	3.3	-
110	303	11.2	3.393	560	-	2.8	-
160	389	10.4	4.046	610	-	2.3	-
210	492	9.5	4.666	660	-	2.0	-
260	725	8.2	5.974	710	-	1.7	-
310	1147	7.1	8.094	760	-	1.4	-
360	1608	5.9	9.556	810	-	1.2	-
410	2338	4.9	11.477	860	-	1.0	-
460	-	4.1	-	910	-	0.9	-

END OF REPORT

Accreditation No.2834.

Accredited for compliance with ISO/IEC 17025 - Testing

The results of the test, calibrations and/or measurements included in this document are traceable to Australian/ International Standards.

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Product Technical Manager

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