



TEST REPORT

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

Test Report No: R23-064
Sample Received Date: 10/03/2023
Test Date: 3/05/2023
Report Date: 5/05/2023

Sample Description: Client Reference: "PEAS IN A POD"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
712g/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	4.8	-	-	-	kW/m ²
Width	3.9	8.2	3.8	5.3	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	179	-	-	-	%.min
Width	184	189	179	164	%.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.

KARTHIK BHASKARAN
Materials Scientist

APPROVED SIGNATORY



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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 41 minutes 34 seconds (2494 s)
Extent of burning (mm)	: 420
Critical flux at extinguishment (kW/m ²)	: 4.75
HF-10 (kW/m ²)	: 8.99
HF-20 (kW/m ²)	: 7.06
HF-30 (kW/m ²)	: 5.54
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 310
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 33.53
Time to peak light attenuation	: 6 minutes 15 seconds (375 s)
Total integrated smoke (%.min)	: 178.76



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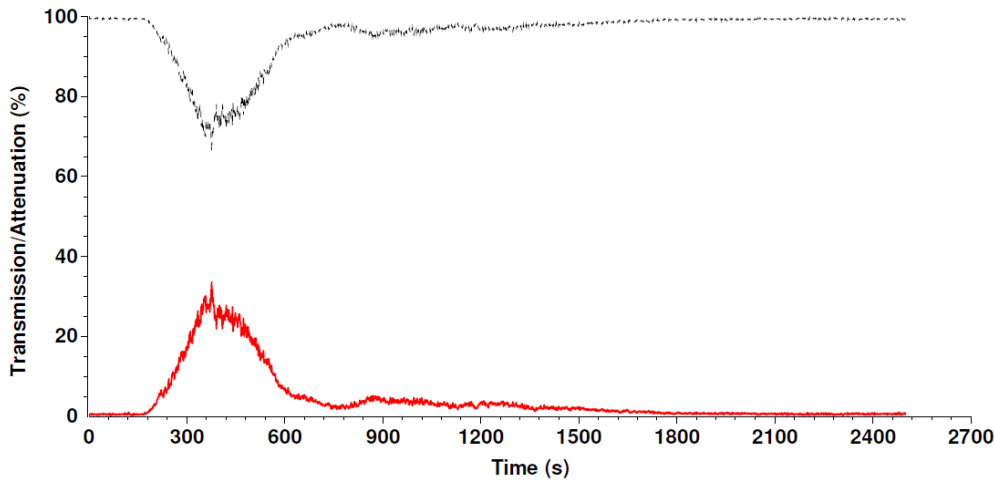
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\23050009.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	244	12.0	2.938	510	-	3.3	-
110	321	11.2	3.581	560	-	2.8	-
160	394	10.4	4.090	610	-	2.3	-
210	499	9.5	4.733	660	-	2.0	-
260	782	8.2	6.447	710	-	1.7	-
310	1217	7.1	8.597	760	-	1.5	-
360	1613	6.0	9.602	810	-	1.3	-
410	2210	4.9	10.878	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 58 minutes 23 seconds (3503 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.92
HF-10 (kW/m ²)	: 8.74
HF-20 (kW/m ²)	: 6.62
HF-30 (kW/m ²)	: 5.13
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 32.68
Time to peak light attenuation	: 5 minutes 55 seconds (355 s)
Total integrated smoke (%.min)	: 183.83



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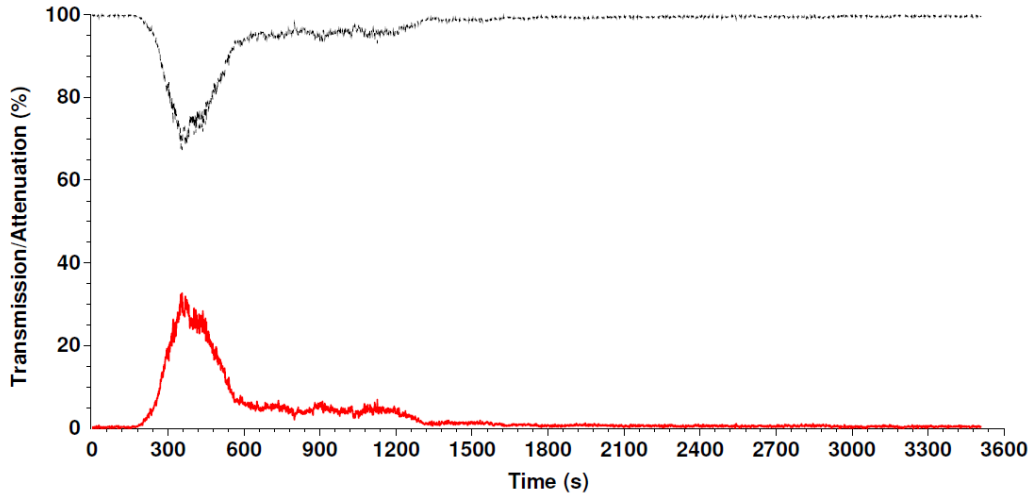
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\23050010.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	251	12.0	3.023	510	-	3.3	-
110	338	11.2	3.771	560	-	2.8	-
160	411	10.4	4.267	610	-	2.3	-
210	500	9.5	4.742	660	-	2.0	-
260	691	8.2	5.697	710	-	1.7	-
310	1073	7.1	7.580	760	-	1.5	-
360	1467	6.0	8.733	810	-	1.3	-
410	1922	4.9	9.460	860	-	1.1	-
460	2901	4.1	11.790	910	-	1.0	-



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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 20 seconds (140 s)
Time to flameout	: 16 minutes 20 seconds (980 s)
Extent of burning (mm)	: 260
Critical flux at extinguishment (kW/m ²)	: 8.24
HF-10 (kW/m ²)	: 8.49
HF-20 (kW/m ²)	: Not calculated (test duration < 20 minutes)
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: Not measured
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 37.08
Time to peak light attenuation	: 6 minutes 25 seconds (385 s)
Total integrated smoke (%.min)	: 128.67



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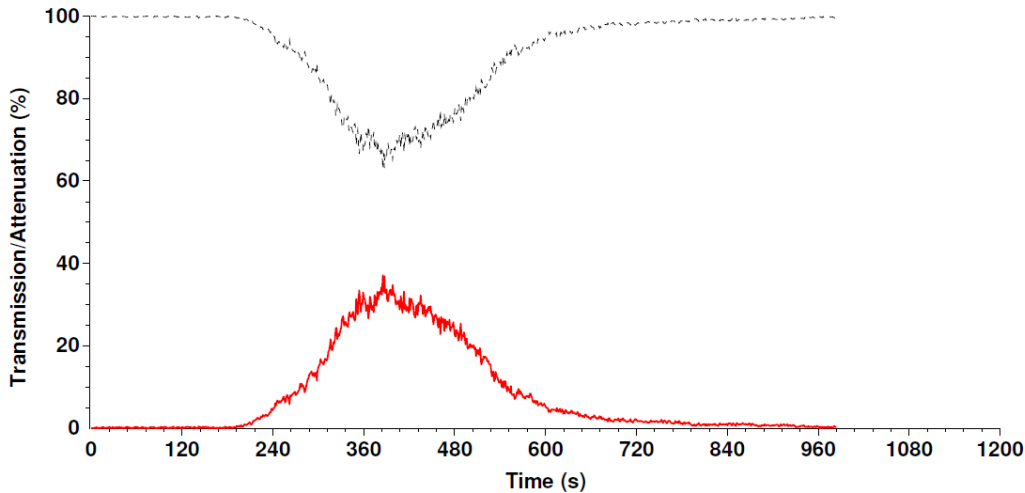
Sample 2 Width

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Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\23050011.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	323	12.0	3.890	510	-	3.3	-
110	328	11.2	3.659	560	-	2.8	-
160	396	10.4	4.111	610	-	2.3	-
210	469	9.5	4.448	660	-	2.0	-
260	860	8.2	7.090	710	-	1.7	-
310	-	7.1	-	760	-	1.5	-
360	-	6.0	-	810	-	1.3	-
410	-	4.9	-	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 48 minutes 36 seconds (2916 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.78
HF-10 (kW/m ²)	: 8.74
HF-20 (kW/m ²)	: 6.62
HF-30 (kW/m ²)	: 5.13
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 30.91
Time to peak light attenuation	: 5 minutes 57 seconds (357 s)
Total integrated smoke (%.min)	: 178.62



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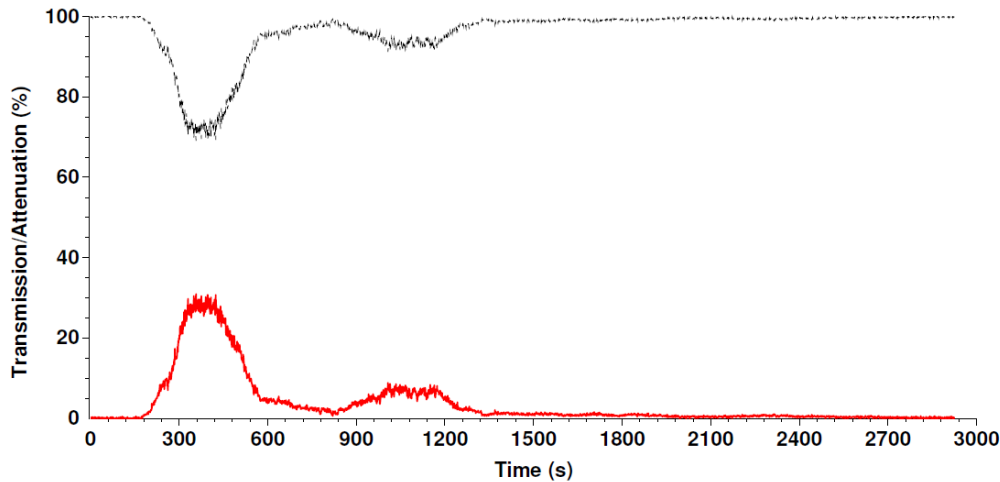
Sample 3 Width

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Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\23050012.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	237	12.0	2.854	510	-	3.3	-
110	321	11.2	3.581	560	-	2.8	-
160	396	10.4	4.111	610	-	2.3	-
210	483	9.5	4.581	660	-	2.0	-
260	751	8.2	6.191	710	-	1.7	-
310	1540	7.1	10.879	760	-	1.5	-
360	1540	6.0	9.168	810	-	1.3	-
410	1889	4.9	9.298	860	-	1.1	-
460	2531	4.1	10.286	910	-	1.0	-

END OF REPORT