



TEST REPORT

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

Test Report No: R24-140
Sample Received Date: 1/02/2024
Test Date: 25/06/2024
Report Date: 28/06/2024

Sample Description: Client Reference: "E612"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
882g/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	-	-	-	kW/m ²
Width	4.2	4.6	4.2	4.3	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	187	-	-	-	%.min
Width	190	190	190	190	%.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 12 seconds (132 s)
Time to flameout	: 43 minutes 59 seconds (2639 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m ²)	: 4.57
HF-10 (kW/m ²)	: 9.75
HF-20 (kW/m ²)	: 6.67
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 29.79
Time to peak light attenuation	: 7 minutes 13 seconds (433 s)
Total integrated smoke (%.min)	: 186.5

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TEST REPORT

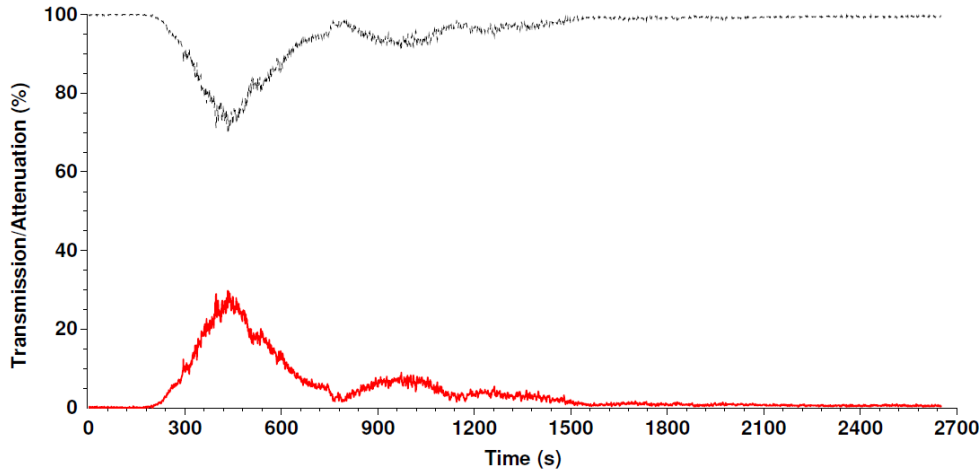
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24060029.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	12.1	3.148	510	-	3.3	-
110	384	11.2	4.301	560	-	2.7	-
160	450	10.4	4.701	610	-	2.3	-
210	628	9.6	6.012	660	-	1.9	-
260	847	8.3	7.044	710	-	1.6	-
310	1116	7.1	7.946	760	-	1.4	-
360	1444	6.0	8.639	810	-	1.2	-
410	2042	4.9	10.057	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 18 seconds (138 s)
Time to flameout	: 41 minutes 48 seconds (2508 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.21
HF-10 (kW/m ²)	: 9.57
HF-20 (kW/m ²)	: 6.44
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 25.88
Time to peak light attenuation	: 6 minutes 34 seconds (394 s)
Total integrated smoke (%.min)	: 190.42

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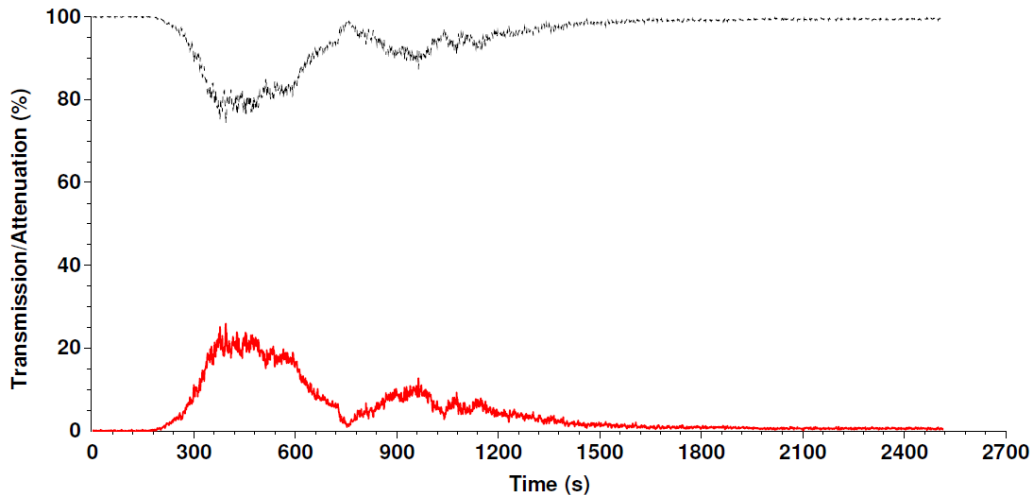
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Sample 1 Width
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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24060030.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	281	12.1	3.390	510	-	3.3	-
110	400	11.2	4.480	560	-	2.7	-
160	477	10.4	4.983	610	-	2.3	-
210	599	9.6	5.735	660	-	1.9	-
260	838	8.3	6.970	710	-	1.6	-
310	1078	7.1	7.675	760	-	1.4	-
360	1409	6.0	8.430	810	-	1.2	-
410	1942	4.9	9.564	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 44 minutes 03 seconds (2643 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m ²)	: 4.57
HF-10 (kW/m ²)	: 9.92
HF-20 (kW/m ²)	: 6.44
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 190
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 23.02
Time to peak light attenuation	: 8 minutes 05 seconds (485 s)
Total integrated smoke (%.min)	: 190.23

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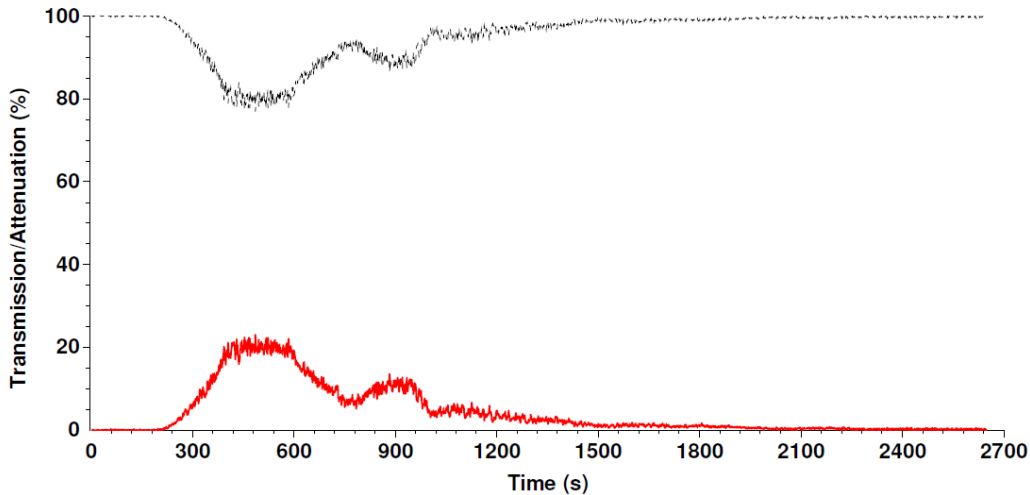
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Sample 2 Width
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Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\24060031.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	334	12.1	4.029	510	-	3.3	-
110	412	11.2	4.614	560	-	2.7	-
160	517	10.4	5.401	610	-	2.3	-
210	683	9.6	6.539	660	-	1.9	-
260	807	8.3	6.712	710	-	1.6	-
310	1049	7.1	7.469	760	-	1.4	-
360	1396	6.0	8.352	810	-	1.2	-
410	1965	4.9	9.678	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 47 minutes 19 seconds (2839 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.21
HF-10 (kW/m ²)	: 9.92
HF-20 (kW/m ²)	: 7.12
HF-30 (kW/m ²)	: 5.35
Flame spread at 10 minutes (mm)	: 190
Flame spread at 20 minutes (mm)	: 310
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 25.42
Time to peak light attenuation	: 9 minutes 13 seconds (553 s)
Total integrated smoke (%.min)	: 189.54

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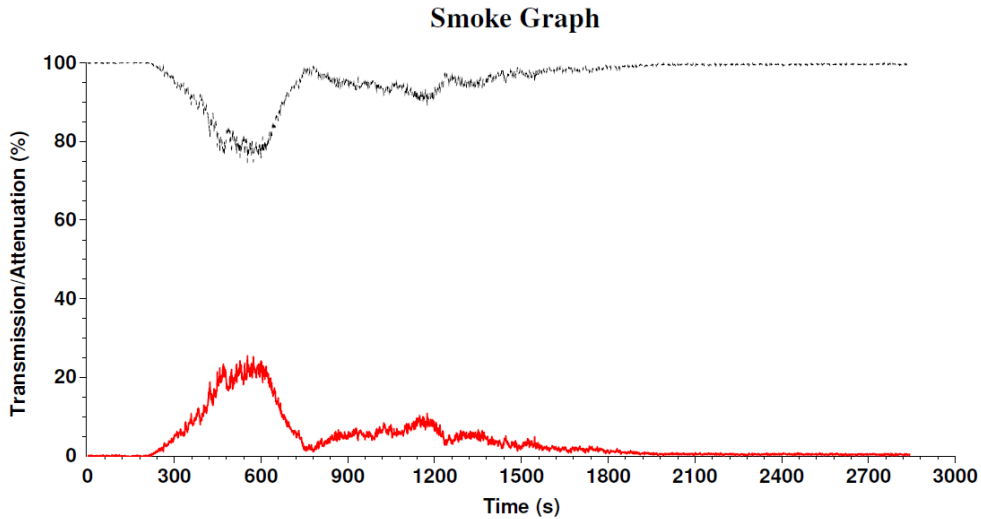
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Sample 3 Width
Light Attenuation Over Time and Rake Results

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Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\24060032.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	358	12.1	4.319	510	-	3.3	-
110	443	11.2	4.962	560	-	2.7	-
160	541	10.4	5.652	610	-	2.3	-
210	708	9.6	6.778	660	-	1.9	-
260	974	8.3	8.101	710	-	1.6	-
310	1196	7.1	8.516	760	-	1.4	-
360	1575	6.0	9.423	810	-	1.2	-
410	2107	4.9	10.377	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

END OF REPORT

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