



TEST REPORT

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

Test Report No: R24-166
Sample Received Date: 31/05/2024
Test Date: 23/07/2024
Report Date: 29/07/2024

Sample Description: Client Reference: "RIBBON ROCK"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
1220g/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	4.4	-	-	-	kW/m ²
Width	4.2	4.4	4.4	4.3	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	231	-	-	-	%.min
Width	214	220	215	216	%.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 14 seconds (134 s)
Time to flameout	: 48 minutes 18 seconds (2898 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m ²)	: 4.39
HF-10 (kW/m ²)	: 9.42
HF-20 (kW/m ²)	: 6.60
HF-30 (kW/m ²)	: 5.09
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 37.62
Time to peak light attenuation	: 7 minutes 52 seconds (472 s)
Total integrated smoke (%.min)	: 231.12

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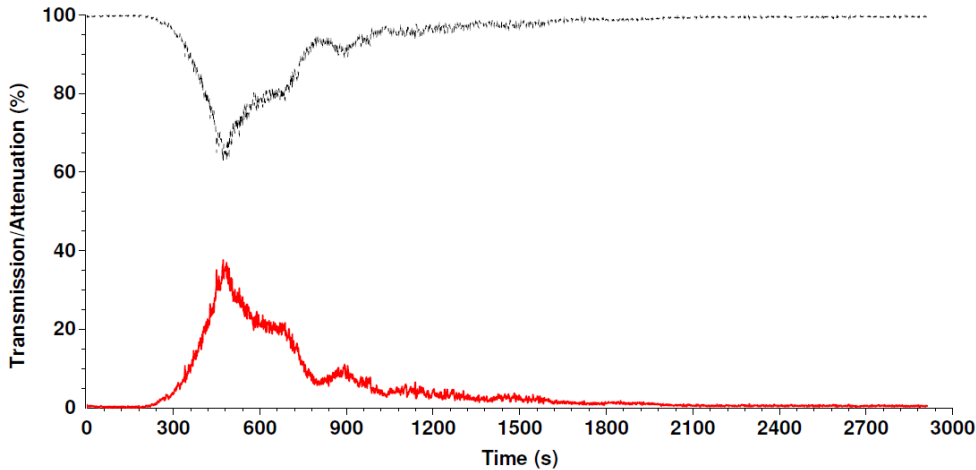
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24070045.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	289	12.3	3.543	510	-	3.4	-
110	425	11.3	4.794	560	-	2.8	-
160	472	10.4	4.914	610	-	2.4	-
210	587	9.4	5.530	660	-	2.0	-
260	739	8.2	6.063	710	-	1.7	-
310	1008	7.0	7.104	760	-	1.5	-
360	1385	5.9	8.208	810	-	1.3	-
410	1957	4.9	9.556	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 53 minutes 45 seconds (3225 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.22
HF-10 (kW/m ²)	: 9.62
HF-20 (kW/m ²)	: 6.37
HF-30 (kW/m ²)	: 5.30
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 31.01
Time to peak light attenuation	: 9 minutes 06 seconds (546 s)
Total integrated smoke (%.min)	: 213.57

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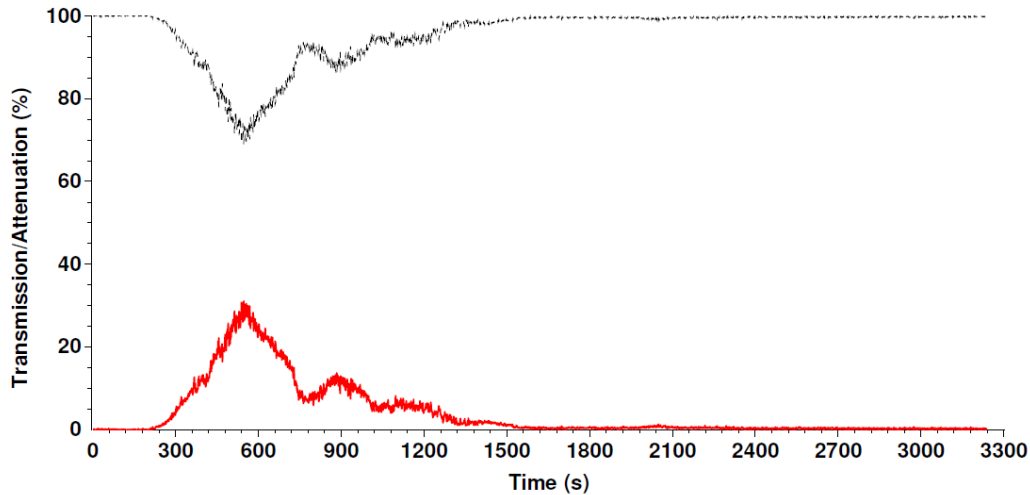
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24070046.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	305	12.3	3.740	510	-	3.4	-
110	425	11.3	4.794	560	-	2.8	-
160	513	10.4	5.340	610	-	2.4	-
210	622	9.4	5.859	660	-	2.0	-
260	807	8.2	6.621	710	-	1.7	-
310	1014	7.0	7.147	760	-	1.5	-
360	1446	5.9	8.569	810	-	1.3	-
410	2061	4.9	10.064	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 44 minutes 49 seconds (2689 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m ²)	: 4.39
HF-10 (kW/m ²)	: 9.42
HF-20 (kW/m ²)	: 6.60
HF-30 (kW/m ²)	: 5.30
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 31.81
Time to peak light attenuation	: 7 minutes 53 seconds (473 s)
Total integrated smoke (%.min)	: 220.46

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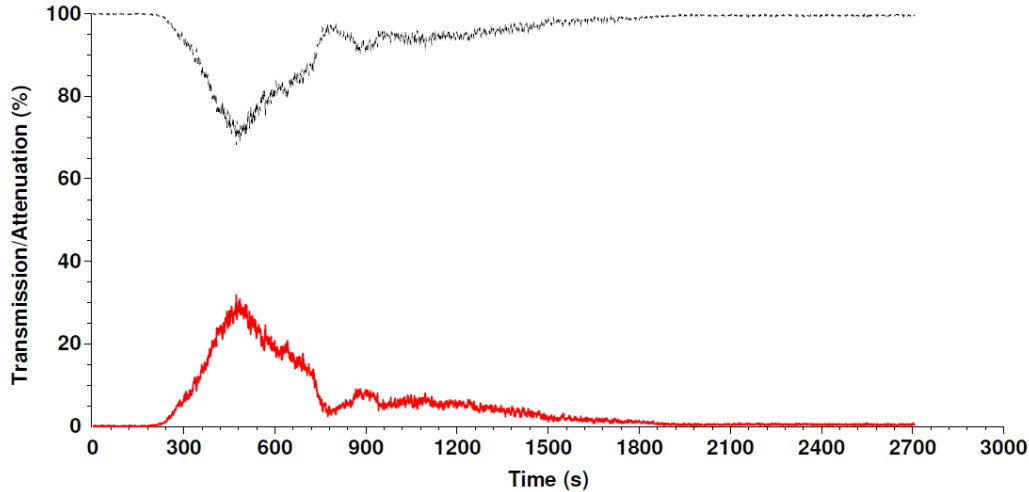
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Sample 2 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\24070047.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	302	12.3	3.703	510	-	3.4	-
110	399	11.3	4.501	560	-	2.8	-
160	511	10.4	5.320	610	-	2.4	-
210	586	9.4	5.520	660	-	2.0	-
260	825	8.2	6.768	710	-	1.7	-
310	1077	7.0	7.591	760	-	1.5	-
360	1446	5.9	8.569	810	-	1.3	-
410	2045	4.9	9.986	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 55 minutes 42 seconds (3342 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m ²)	: 4.39
HF-10 (kW/m ²)	: 9.42
HF-20 (kW/m ²)	: 6.82
HF-30 (kW/m ²)	: 5.51
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 320
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 32.82
Time to peak light attenuation	: 8 minutes 45 seconds (525 s)
Total integrated smoke (%.min)	: 214.94

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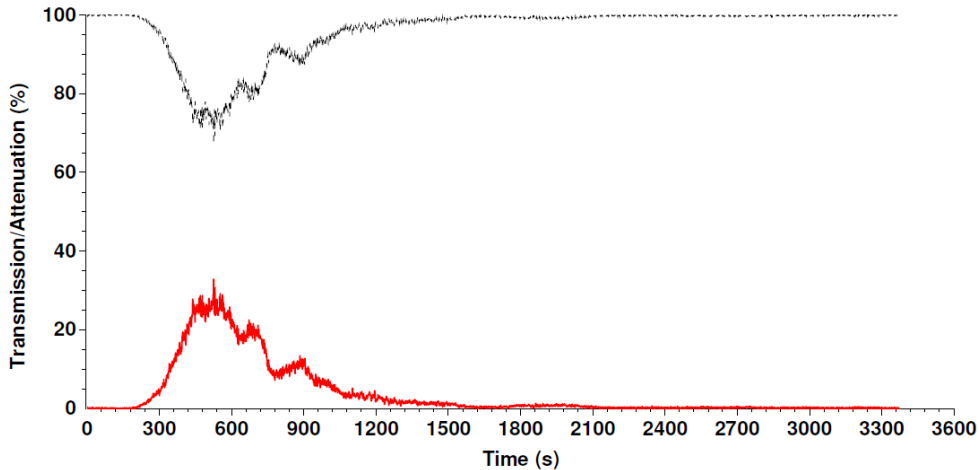
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Sample 3 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\24070048.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	293	12.3	3.592	510	-	3.4	-
110	388	11.3	4.377	560	-	2.8	-
160	481	10.4	5.007	610	-	2.4	-
210	584	9.4	5.501	660	-	2.0	-
260	775	8.2	6.358	710	-	1.7	-
310	1101	7.0	7.760	760	-	1.5	-
360	1547	5.9	9.168	810	-	1.3	-
410	2265	4.9	11.060	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

END OF REPORT

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Product Technical Manager

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