



TEST REPORT

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

Test Report No: R24-210
Sample Received Date: 24/05/2024
Test Date: 12/08/2024
Report Date: 16/08/2024

Sample Description: Client Reference: "CAP ROCK"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
678g/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	4.9	-	-	-	kW/m ²
Width	4.6	4.4	4.6	4.5	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	148	-	-	-	%.min
Width	145	161	178	161	%.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	: 47 minutes 44 seconds (2864 s)
Extent of burning (mm)	: 410
Critical flux at extinguishment (kW/m ²)	: 4.90
HF-10 (kW/m ²)	: 9.38
HF-20 (kW/m ²)	: 6.99
HF-30 (kW/m ²)	: 5.50
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 310
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 26.95
Time to peak light attenuation	: 6 minutes 45 seconds (405 s)
Total integrated smoke (%.min)	: 148.03

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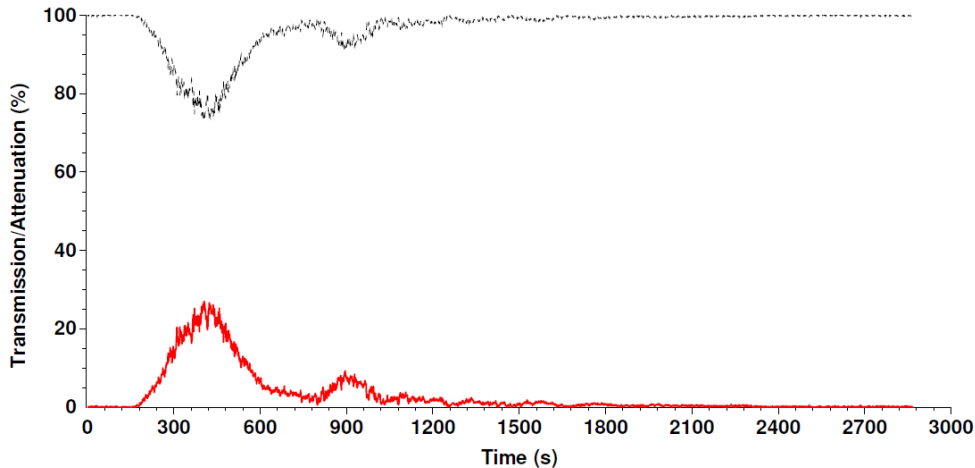
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24080021.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	356	12.4	4.429	510	-	3.4	-
110	357	11.4	4.066	560	-	2.8	-
160	480	10.4	5.013	610	-	2.3	-
210	599	9.4	5.618	660	-	2.0	-
260	834	8.2	6.799	710	-	1.7	-
310	1184	7.0	8.270	760	-	1.5	-
360	1617	5.9	9.545	810	-	1.3	-
410	2212	4.9	10.841	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 56 minutes 41 seconds (3401 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m ²)	: 4.58
HF-10 (kW/m ²)	: 9.38
HF-20 (kW/m ²)	: 7.22
HF-30 (kW/m ²)	: 5.70
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 300
Flame spread at 30 minutes (mm)	: 370
Peak light attenuation (%)	: 31.11
Time to peak light attenuation	: 5 minutes 39 seconds (339 s)
Total integrated smoke (%.min)	: 144.88

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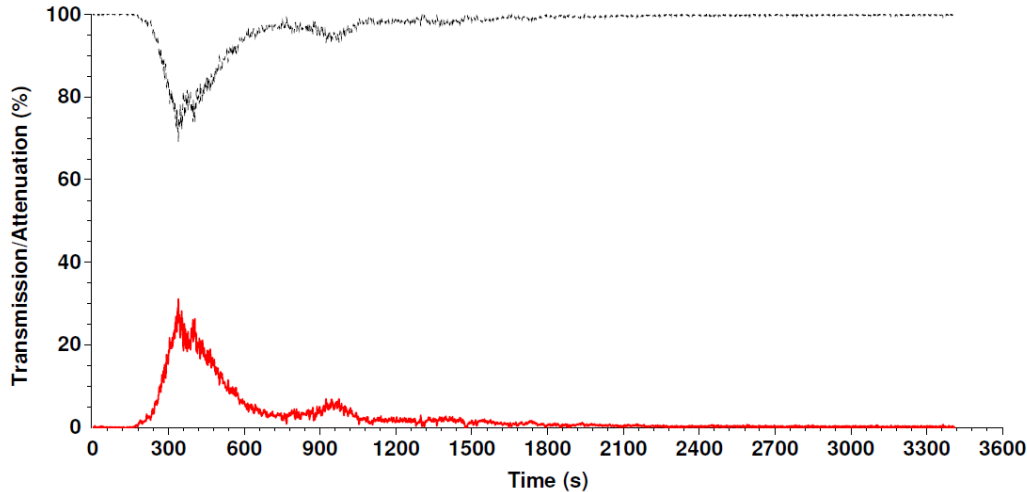
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Sample 1 Width
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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24080022.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	288	12.4	3.583	510	-	3.4	-
110	359	11.4	4.088	560	-	2.8	-
160	417	10.4	4.355	610	-	2.3	-
210	594	9.4	5.571	660	-	2.0	-
260	876	8.2	7.141	710	-	1.7	-
310	1312	7.0	9.164	760	-	1.5	-
360	1702	5.9	10.047	810	-	1.3	-
410	2317	4.9	11.356	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 58 minutes 13 seconds (3493 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m ²)	: 4.41
HF-10 (kW/m ²)	: 9.13
HF-20 (kW/m ²)	: 6.34
HF-30 (kW/m ²)	: 4.90
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 35.11
Time to peak light attenuation	: 5 minutes 38 seconds (338 s)
Total integrated smoke (%.min)	: 161.21

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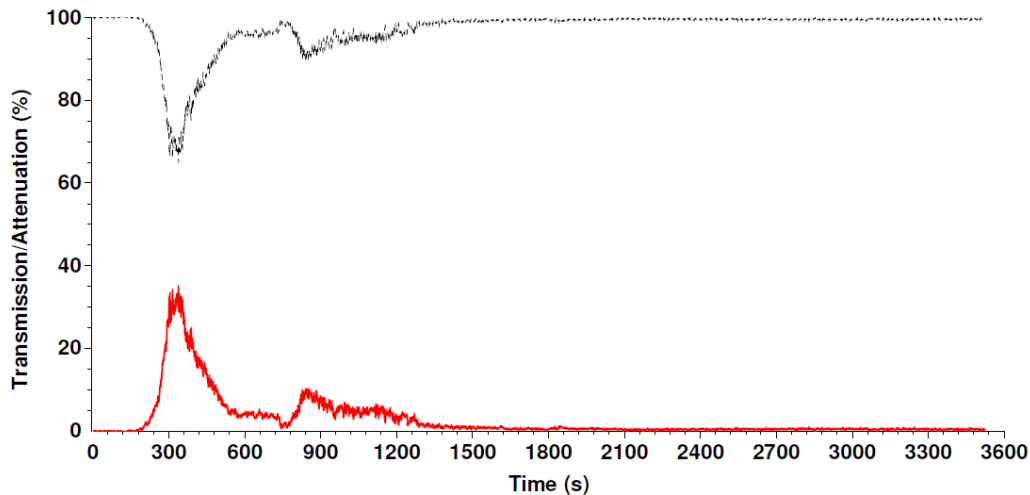
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Sample 2 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\24080023.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	238	12.4	2.961	510	-	3.4	-
110	319	11.4	3.633	560	-	2.8	-
160	385	10.4	4.021	610	-	2.3	-
210	588	9.4	5.515	660	-	2.0	-
260	813	8.2	6.628	710	-	1.7	-
310	1069	7.0	7.467	760	-	1.5	-
360	1301	5.9	7.680	810	-	1.3	-
410	1794	4.9	8.792	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	: 53 minutes 13 seconds (3193 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m ²)	: 4.58
HF-10 (kW/m ²)	: 9.38
HF-20 (kW/m ²)	: 6.34
HF-30 (kW/m ²)	: 5.10
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 29.38
Time to peak light attenuation	: 5 minutes 53 seconds (353 s)
Total integrated smoke (%.min)	: 178.1

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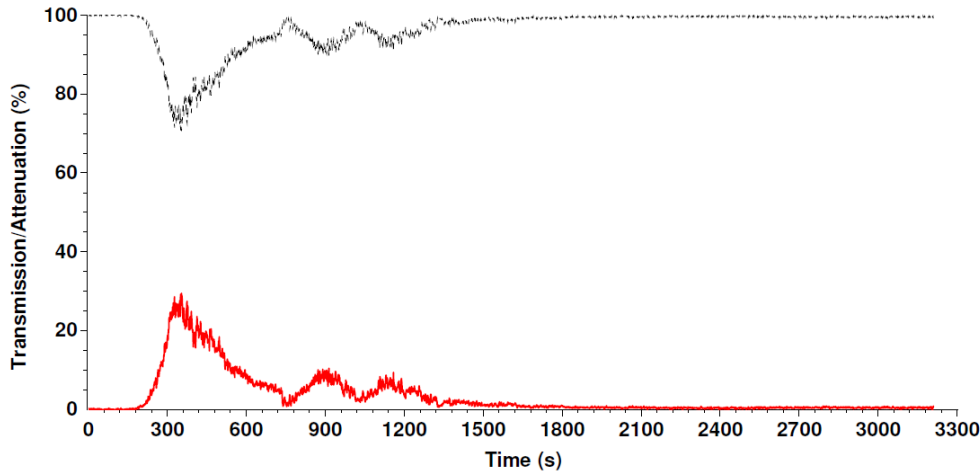
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Sample 3 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\24080024.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	262	12.4	3.260	510	-	3.4	-
110	352	11.4	4.009	560	-	2.8	-
160	439	10.4	4.584	610	-	2.3	-
210	594	9.4	5.571	660	-	2.0	-
260	864	8.2	7.043	710	-	1.7	-
310	1061	7.0	7.411	760	-	1.5	-
360	1392	5.9	8.217	810	-	1.3	-
410	1986	4.9	9.733	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

END OF REPORT

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