



TEST REPORT

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

Test Report No: R24-058
Sample Received Date: 19/12/2023
Test Date: 31/01/2024
Report Date: 2/05/2024

Sample Description: Client Reference: "YOU'RE SO VEIN"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
1085g/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	4.1	4.4	3.5	4.0	kW/m ²
Width	4.1	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	214	210	212	212	%.min
Width	218	-	-	-	%.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 12 seconds (132 s)
Time to flameout	: 45 minutes 20 seconds (2720 s)
Extent of burning (mm)	: 460
Critical flux at extinguishment (kW/m ²)	: 4.06
HF-10 (kW/m ²)	: 8.49
HF-20 (kW/m ²)	: 5.94
HF-30 (kW/m ²)	: 4.74
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 36.2
Time to peak light attenuation	: 8 minutes 15 seconds (495 s)
Total integrated smoke (%.min)	: 214.1

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TEST REPORT

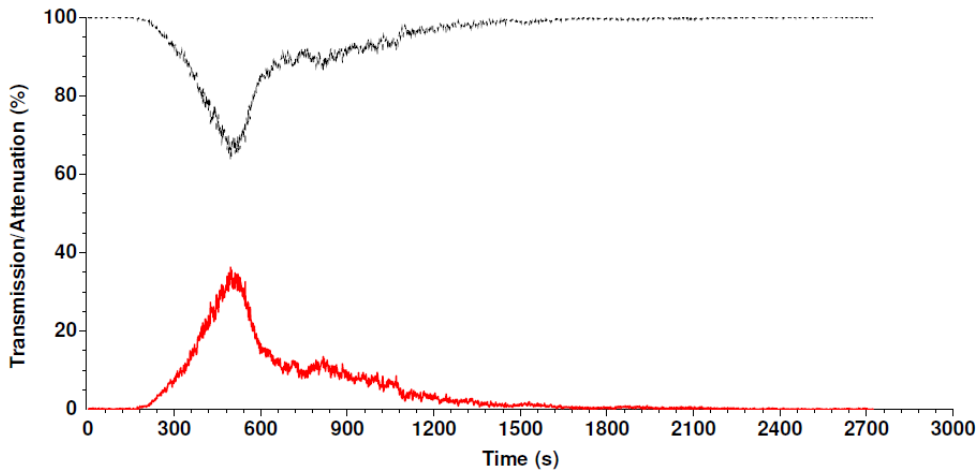
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Sample 1 Length Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\24010053.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	253	12.1	3.063	510	-	3.3	-
110	403	11.2	4.513	560	-	2.8	-
160	455	10.4	4.732	610	-	2.3	-
210	519	9.5	4.922	660	-	2.0	-
260	668	8.2	5.504	710	-	1.7	-
310	882	7.1	6.224	760	-	1.4	-
360	1164	5.9	6.918	810	-	1.2	-
410	1622	4.9	7.962	860	-	1.0	-
460	2505	4.1	10.165	910	-	0.9	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 14 seconds (134 s)
Time to flameout	: 65 minutes 56 seconds (3956 s)
Extent of burning (mm)	: 460
Critical flux at extinguishment (kW/m ²)	: 4.06
HF-10 (kW/m ²)	: 8.74
HF-20 (kW/m ²)	: 5.94
HF-30 (kW/m ²)	: 5.12
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 31.52
Time to peak light attenuation	: 7 minutes 32 seconds (452 s)
Total integrated smoke (%.min)	: 217.98

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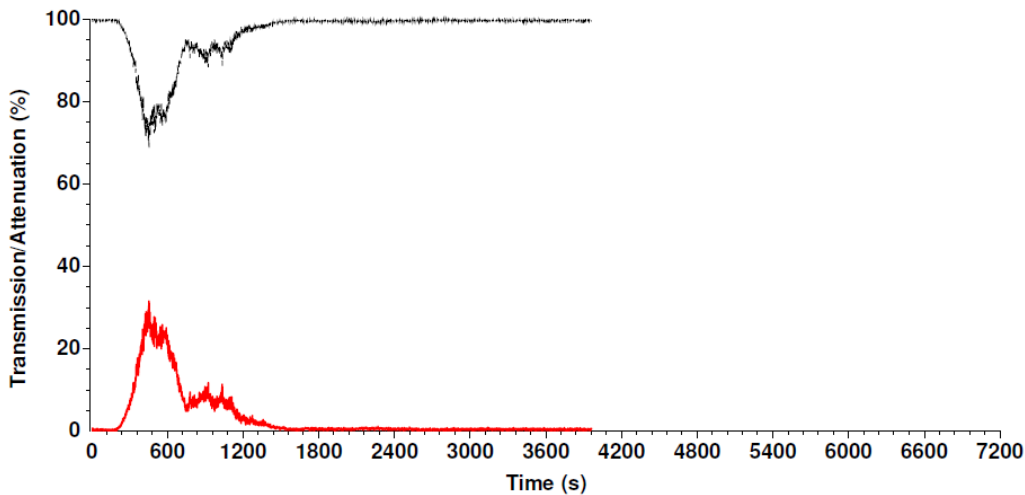
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24010054.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	299	12.1	3.620	510	-	3.3	-
110	401	11.2	4.490	560	-	2.8	-
160	456	10.4	4.743	610	-	2.3	-
210	533	9.5	5.055	660	-	2.0	-
260	691	8.2	5.694	710	-	1.7	-
310	893	7.1	6.302	760	-	1.4	-
360	1184	5.9	7.037	810	-	1.2	-
410	2024	4.9	9.936	860	-	1.0	-
460	2762	4.1	11.208	910	-	0.9	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 46 minutes 06 seconds (2766 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m ²)	: 4.40
HF-10 (kW/m ²)	: 8.49
HF-20 (kW/m ²)	: 6.17
HF-30 (kW/m ²)	: 4.91
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 35.42
Time to peak light attenuation	: 8 minutes 16 seconds (496 s)
Total integrated smoke (%.min)	: 210.07

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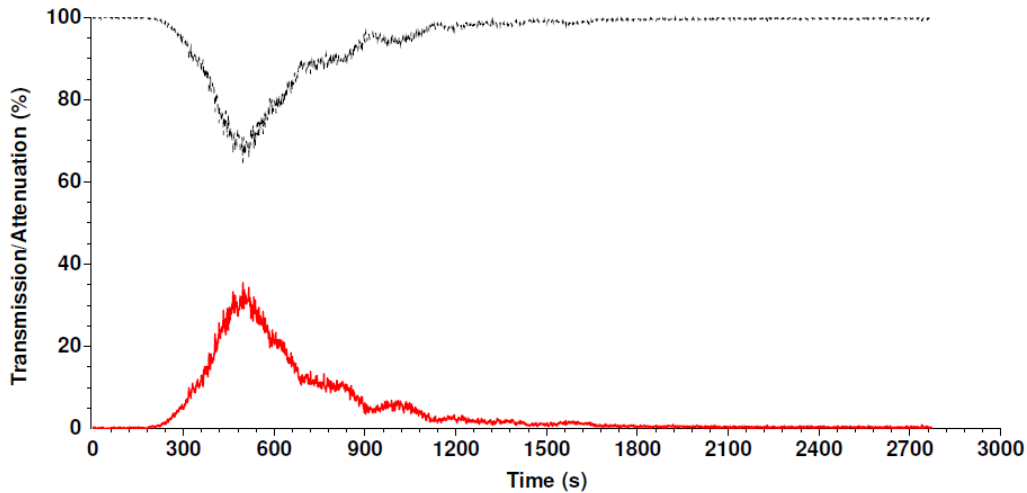
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Sample 2 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\24010055.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	222	12.1	2.688	510	-	3.3	-
110	389	11.2	4.356	560	-	2.8	-
160	434	10.4	4.514	610	-	2.3	-
210	489	9.5	4.638	660	-	2.0	-
260	653	8.2	5.381	710	-	1.7	-
310	866	7.1	6.111	760	-	1.4	-
360	1298	5.9	7.714	810	-	1.2	-
410	1784	4.9	8.758	860	-	1.0	-
460	-	4.1	-	910	-	0.9	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 60 minutes 53 seconds (3653 s)
Extent of burning (mm)	: 500
Critical flux at extinguishment (kW/m ²)	: 3.49
HF-10 (kW/m ²)	: 8.49
HF-20 (kW/m ²)	: 6.17
HF-30 (kW/m ²)	: 4.91
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 31.84
Time to peak light attenuation	: 7 minutes 57 seconds (477 s)
Total integrated smoke (%.min)	: 211.64

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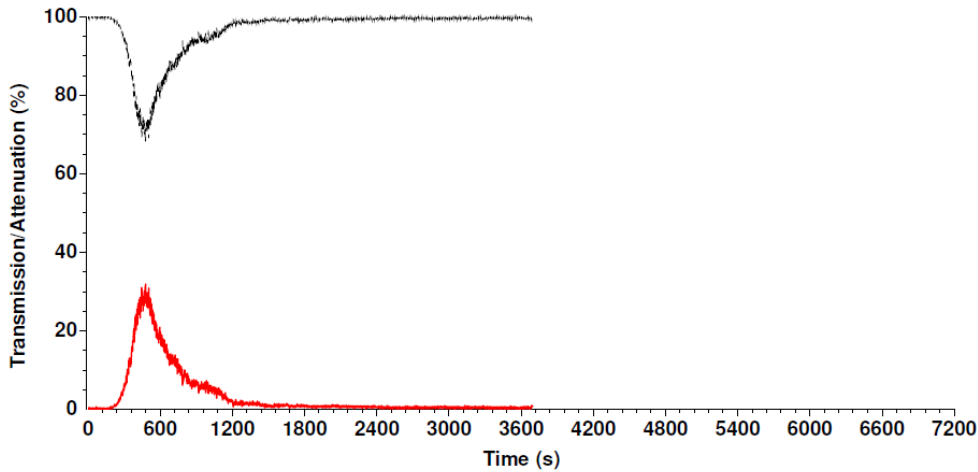
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Sample 3 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\24010056.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	185	12.1	2.240	510	-	3.3	-
110	275	11.2	3.079	560	-	2.8	-
160	377	10.4	3.921	610	-	2.3	-
210	512	9.5	4.856	660	-	2.0	-
260	887	8.2	7.309	710	-	1.7	-
310	890	7.1	6.281	760	-	1.4	-
360	1294	5.9	7.690	810	-	1.2	-
410	1770	4.9	8.689	860	-	1.0	-
460	2316	4.1	9.398	910	-	0.9	-

END OF REPORT

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