



TEST REPORT

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

Test Report No: R24-148
Sample Received Date: 30/01/2024
Test Date: 4/07/2024
Report Date: 8/07/2024

Sample Description: Client Reference: "E615"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
814g/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	3.9	3.5	4.2	3.9	kW/m ²
Width	4.4	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	173	182	176	177	%.min
Width	168	-	-	-	%.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 15 seconds (135 s)
Time to flameout	: 59 minutes 09 seconds (3549 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.92
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 (%)	: 28.61
Time to peak light attenuation	: 6 minutes 11 seconds (371 s)
Total integrated smoke (%.min)	: 173.22

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TEST REPORT

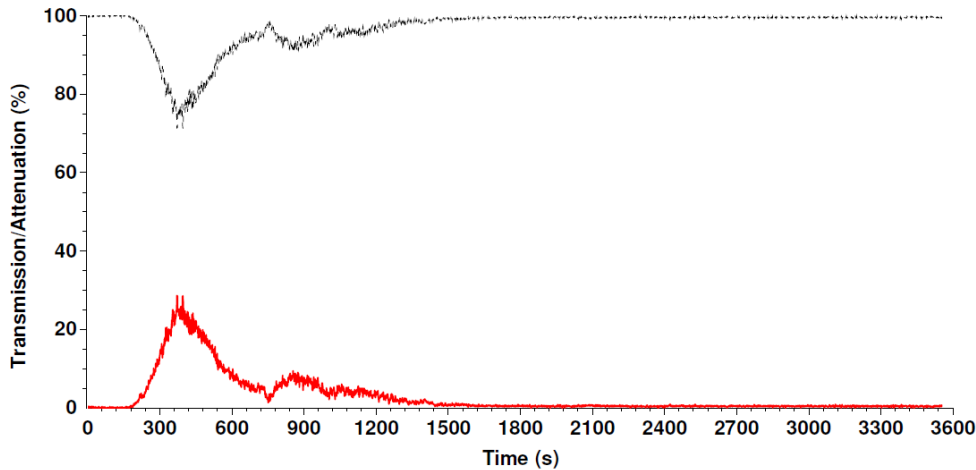
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24070013.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	263	12.3	3.225	510	-	3.4	-
110	389	11.3	4.388	560	-	2.8	-
160	448	10.4	4.664	610	-	2.4	-
210	583	9.4	5.492	660	-	2.0	-
260	817	8.2	6.703	710	-	1.7	-
310	1049	7.0	7.393	760	-	1.5	-
360	1371	5.9	8.125	810	-	1.3	-
410	1988	4.9	9.707	860	-	1.2	-
460	2813	4.1	11.415	910	-	1.1	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 41 minutes 05 seconds (2465 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m ²)	: 4.39
HF-10 (kW/m ²)	: 9.62
HF-20 (kW/m ²)	: 6.60
HF-30 (kW/m ²)	: 5.09
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 31.81
Time to peak light attenuation	: 6 minutes 47 seconds (407 s)
Total integrated smoke (%.min)	: 167.81

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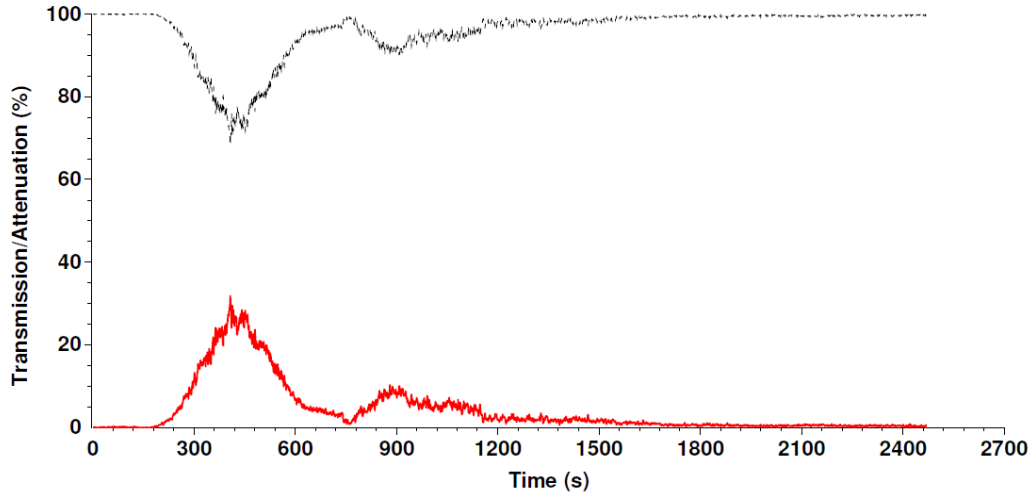
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24070014.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	401	11.3	4.523	560	-	2.8	-
160	472	10.4	4.914	610	-	2.4	-
210	615	9.4	5.793	660	-	2.0	-
260	835	8.2	6.850	710	-	1.7	-
310	1001	7.0	7.055	760	-	1.5	-
360	1393	5.9	8.255	810	-	1.3	-
410	1862	4.9	9.092	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 52 minutes 37 seconds (3157 s)
Extent of burning (mm)	: 500
Critical flux at extinguishment (kW/m ²)	: 3.51
HF-10 (kW/m ²)	: 9.18
HF-20 (kW/m ²)	: 6.15
HF-30 (kW/m ²)	: 4.88
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 31.23
Time to peak light attenuation	: 6 minutes 28 seconds (388 s)
Total integrated smoke (%.min)	: 182.29

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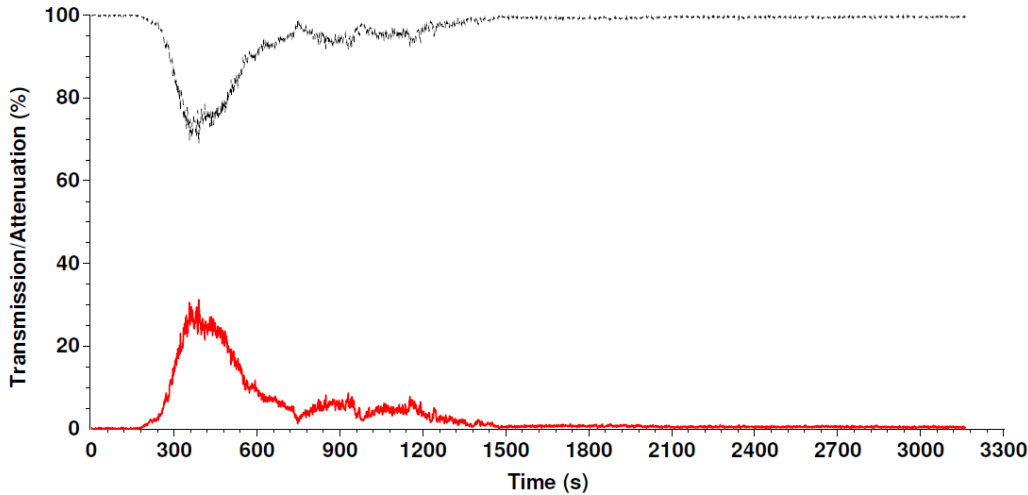
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Sample 2 Length
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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\24070015.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	266	12.3	3.261	510	-	3.4	-
110	364	11.3	4.106	560	-	2.8	-
160	437	10.4	4.549	610	-	2.4	-
210	541	9.4	5.096	660	-	2.0	-
260	808	8.2	6.629	710	-	1.7	-
310	1018	7.0	7.175	760	-	1.5	-
360	1295	5.9	7.674	810	-	1.3	-
410	1772	4.9	8.653	860	-	1.2	-
460	2329	4.1	9.451	910	-	1.1	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 40 minutes 14 seconds (2414 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.22
HF-10 (kW/m ²)	: 9.18
HF-20 (kW/m ²)	: 6.37
HF-30 (kW/m ²)	: 4.88
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 30.52
Time to peak light attenuation	: 5 minutes 59 seconds (359 s)
Total integrated smoke (%.min)	: 175.77

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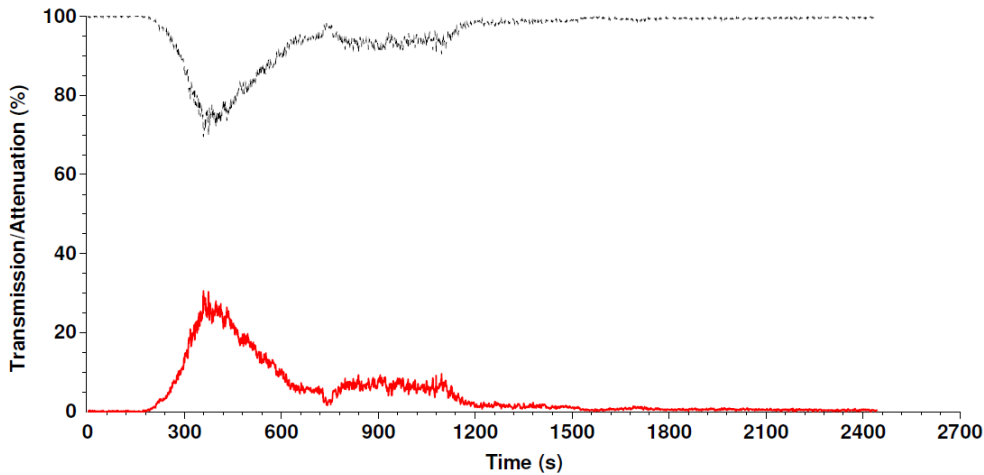
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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\24070016.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	267	12.3	3.274	510	-	3.4	-
110	341	11.3	3.846	560	-	2.8	-
160	424	10.4	4.414	610	-	2.4	-
210	569	9.4	5.360	660	-	2.0	-
260	703	8.2	5.767	710	-	1.7	-
310	955	7.0	6.731	760	-	1.5	-
360	1325	5.9	7.852	810	-	1.3	-
410	1721	4.9	8.404	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

END OF REPORT

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