



TEST REPORT

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

Test Report No: R24-131
Sample Received Date: 5/02/2024
Test Date: 19/06/2024
Report Date: 21/06/2024

Sample Description: Client Reference: "E610"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
1390g/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	5.1	4.8	4.8	kW/m ²
Width	4.6	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	211	217	230	219	%.min
Width	234	-	-	-	%.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 19 seconds (139 s)
Time to flameout	: 52 minutes 18 seconds (3138 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m ²)	: 4.57
HF-10 (kW/m ²)	: 9.07
HF-20 (kW/m ²)	: 6.67
HF-30 (kW/m ²)	: 6.21
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 350
Peak light attenuation (%)	: 39.15
Time to peak light attenuation	: 9 minutes 12 seconds (552 s)
Total integrated smoke (%.min)	: 210.69

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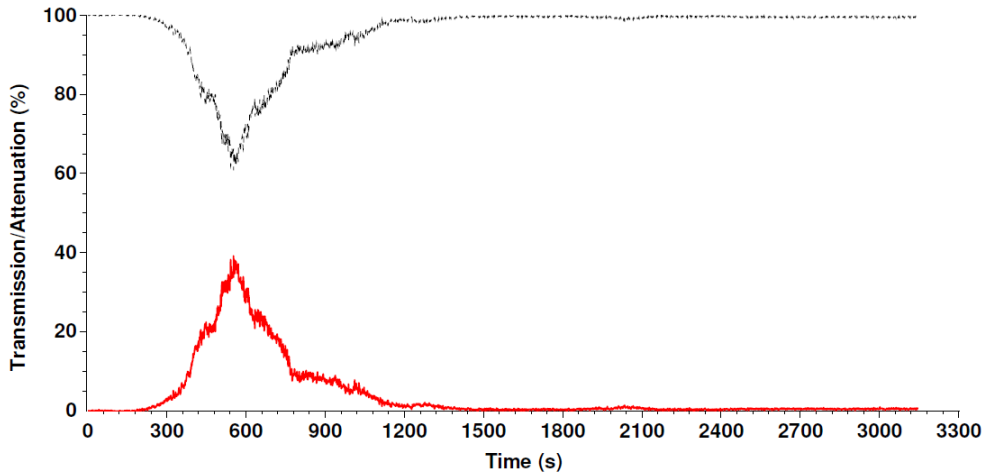
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24060017.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	321	12.1	3.872	510	-	3.3	-
110	391	11.2	4.379	560	-	2.7	-
160	485	10.4	5.067	610	-	2.3	-
210	571	9.6	5.467	660	-	1.9	-
260	683	8.3	5.681	710	-	1.6	-
310	984	7.1	7.006	760	-	1.4	-
360	1963	6.0	11.745	810	-	1.2	-
410	2606	4.9	12.835	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 14 seconds (134 s)
Time to flameout	: 45 minutes 24 seconds (2724 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m ²)	: 4.57
HF-10 (kW/m ²)	: 8.82
HF-20 (kW/m ²)	: 6.21
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 32.24
Time to peak light attenuation	: 8 minutes 37 seconds (517 s)
Total integrated smoke (%.min)	: 233.47

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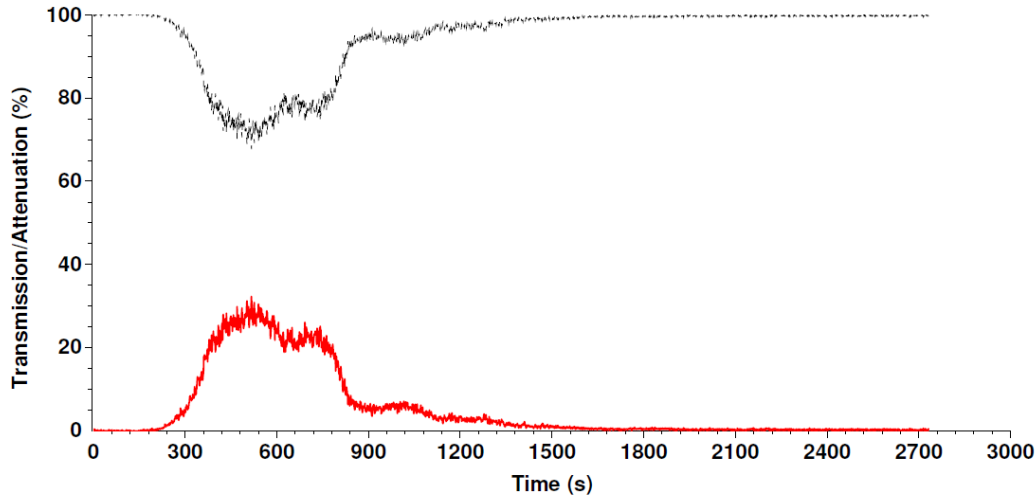
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24060018.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	290	12.1	3.498	510	-	3.3	-
110	349	11.2	3.909	560	-	2.7	-
160	447	10.4	4.670	610	-	2.3	-
210	573	9.6	5.486	660	-	1.9	-
260	644	8.3	5.356	710	-	1.6	-
310	890	7.1	6.337	760	-	1.4	-
360	1317	6.0	7.880	810	-	1.2	-
410	1880	4.9	9.259	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 17 seconds (137 s)
Time to flameout	: 38 minutes 51 seconds (2331 s)
Extent of burning (mm)	: 400
Critical flux at extinguishment (kW/m ²)	: 5.14
HF-10 (kW/m ²)	: 9.57
HF-20 (kW/m ²)	: 6.89
HF-30 (kW/m ²)	: 5.56
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 320
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 38.69
Time to peak light attenuation	: 8 minutes 42 seconds (522 s)
Total integrated smoke (%.min)	: 217.36

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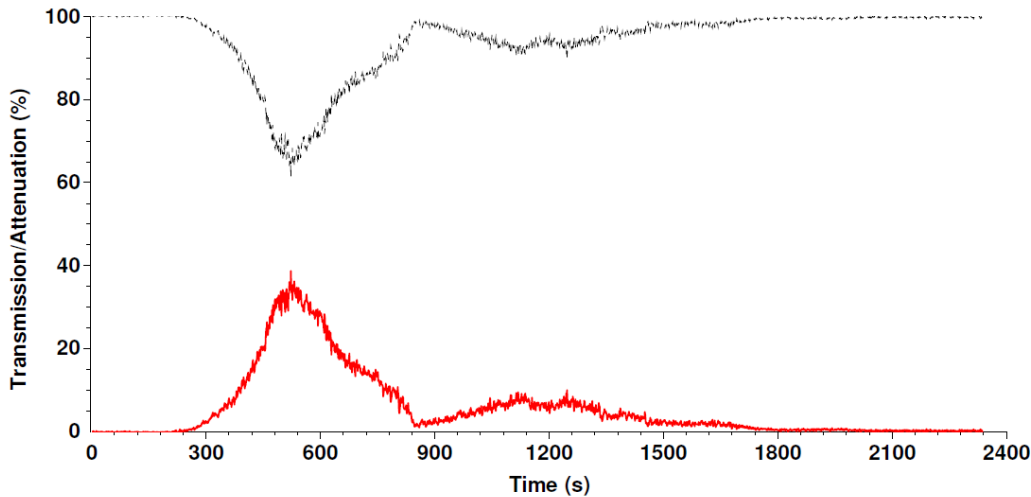
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Sample 2 Length
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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24060019.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	375	12.1	4.524	510	-	3.3	-
110	457	11.2	5.118	560	-	2.7	-
160	520	10.4	5.432	610	-	2.3	-
210	600	9.6	5.744	660	-	1.9	-
260	825	8.3	6.862	710	-	1.6	-
310	1130	7.1	8.046	760	-	1.4	-
360	1594	6.0	9.537	810	-	1.2	-
410	-	4.9	-	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 29 seconds (149 s)
Time to flameout	: 44 minutes 40 seconds (2680 s)
Extent of burning (mm)	: 420
Critical flux at extinguishment (kW/m ²)	: 4.75
HF-10 (kW/m ²)	: 9.57
HF-20 (kW/m ²)	: 6.21
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 34.08
Time to peak light attenuation	: 8 minutes 35 seconds (515 s)
Total integrated smoke (%.min)	: 229.98

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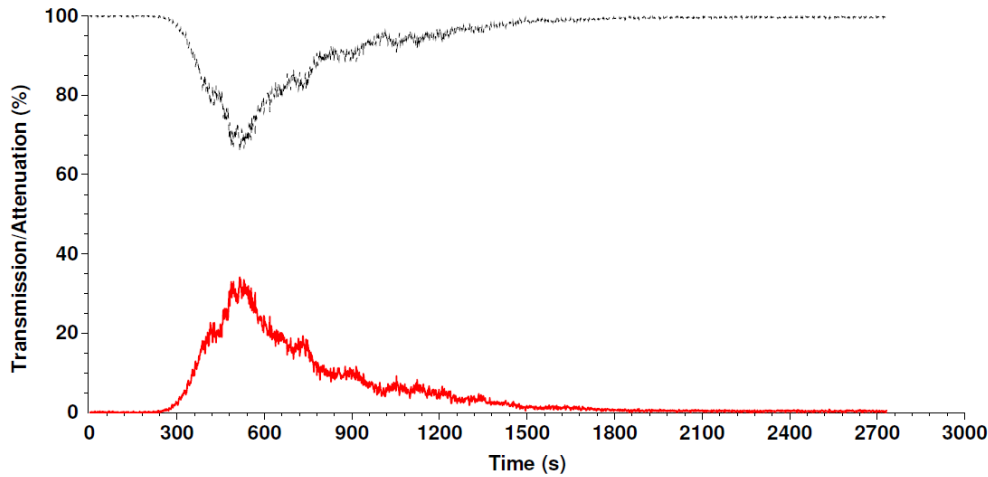
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Sample 3 Length
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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\24060020.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	310	12.1	3.740	510	-	3.3	-
110	445	11.2	4.984	560	-	2.7	-
160	515	10.4	5.380	610	-	2.3	-
210	603	9.6	5.773	660	-	1.9	-
260	737	8.3	6.130	710	-	1.6	-
310	987	7.1	7.027	760	-	1.4	-
360	1323	6.0	7.916	810	-	1.2	-
410	2394	4.9	11.790	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

END OF REPORT

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