



TEST REPORT

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

Test Report No: R23-174
Sample Received Date: 12/07/2023
Test Date: 29/11/2023
Report Date: 11/12/2023

Sample Description: Client Reference: "REELING"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
848g/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	4.2	3.9	4.0	kW/m ²
Width	3.9	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	197	176	178	184	%.min
Width	190	-	-	-	%.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 10 seconds (130 s)
Time to flameout	: 59 minutes 56 seconds (3596 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.85
HF-10 (kW/m ²)	: 8.63
HF-20 (kW/m ²)	: 6.10
HF-30 (kW/m ²)	: 5.08
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 33.36
Time to peak light attenuation	: 7 minutes 28 seconds (448 s)
Total integrated smoke (%.min)	: 196.83

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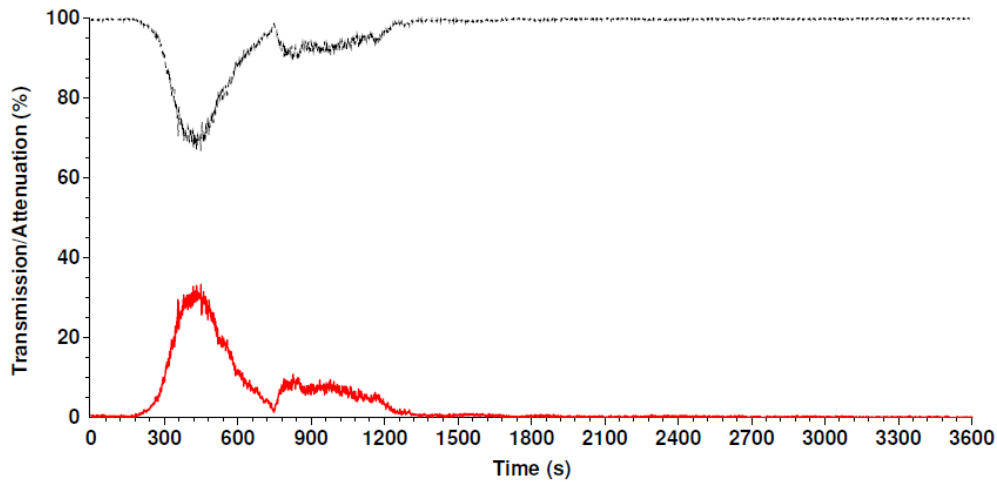
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Sample 1 Length
Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\23110053.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	252	12.3	3.109	510	-	3.3	-
110	331	11.3	3.744	560	-	2.7	-
160	414	10.4	4.304	610	-	2.3	-
210	535	9.4	5.009	660	-	1.9	-
260	680	8.1	5.534	710	-	1.7	-
310	903	7.0	6.297	760	-	1.4	-
360	1250	5.9	7.359	810	-	1.3	-
410	1863	4.9	9.095	860	-	1.1	-
460	2627	4.0	10.503	910	-	1.0	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 53 minutes 36 seconds (3216 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.85
HF-10 (kW/m ²)	: 8.87
HF-20 (kW/m ²)	: 6.32
HF-30 (kW/m ²)	: 4.88
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 32.07
Time to peak light attenuation	: 6 minutes 47 seconds (407 s)
Total integrated smoke (%.min)	: 190.22

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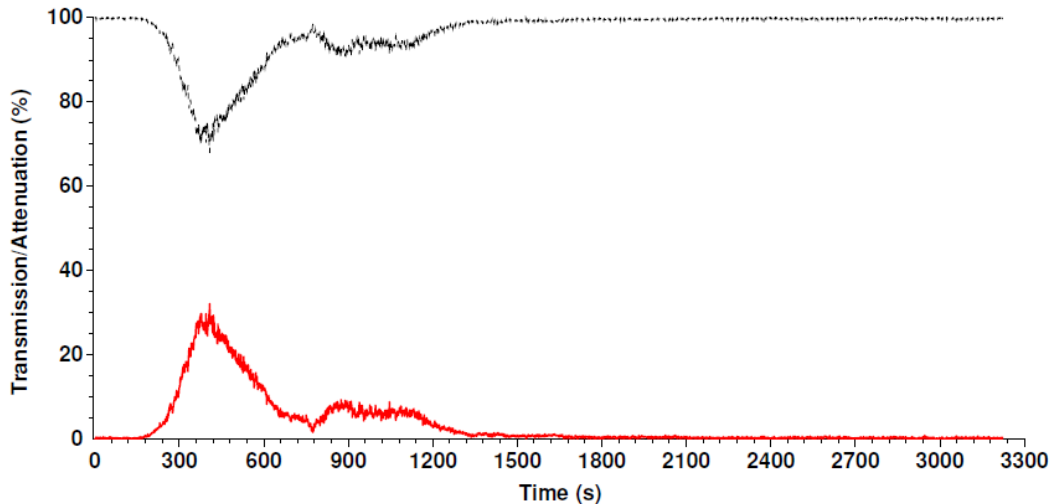
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\23110054.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	3.244	510	-	3.3	-
110	368	11.3	4.162	560	-	2.7	-
160	427	10.4	4.440	610	-	2.3	-
210	514	9.4	4.812	660	-	1.9	-
260	754	8.1	6.136	710	-	1.7	-
310	1022	7.0	7.126	760	-	1.4	-
360	1355	5.9	7.977	810	-	1.3	-
410	1796	4.9	8.768	860	-	1.1	-
460	2492	4.0	9.963	910	-	1.0	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 50 minutes 37 seconds (3037 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.17
HF-10 (kW/m ²)	: 8.38
HF-20 (kW/m ²)	: 6.10
HF-30 (kW/m ²)	: 5.28
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 37.38
Time to peak light attenuation	: 6 minutes 34 seconds (394 s)
Total integrated smoke (%.min)	: 175.78

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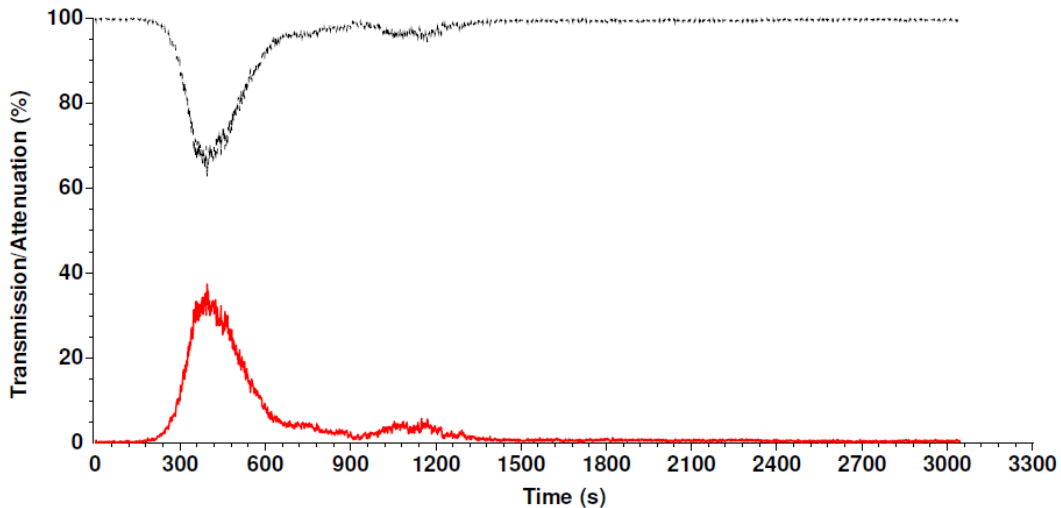
Sample 2 Length

Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\23110055.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	196	12.3	2.418	510	-	3.3	-
110	312	11.3	3.529	560	-	2.7	-
160	403	10.4	4.190	610	-	2.3	-
210	470	9.4	4.400	660	-	1.9	-
260	696	8.1	5.664	710	-	1.7	-
310	1017	7.0	7.092	760	-	1.4	-
360	1448	5.9	8.524	810	-	1.3	-
410	1920	4.9	9.373	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 46 minutes 54 seconds (2814 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.85
HF-10 (kW/m ²)	: 8.38
HF-20 (kW/m ²)	: 5.89
HF-30 (kW/m ²)	: 4.71
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 37.35
Time to peak light attenuation	: 6 minutes 49 seconds (409 s)
Total integrated smoke (%.min)	: 178.47

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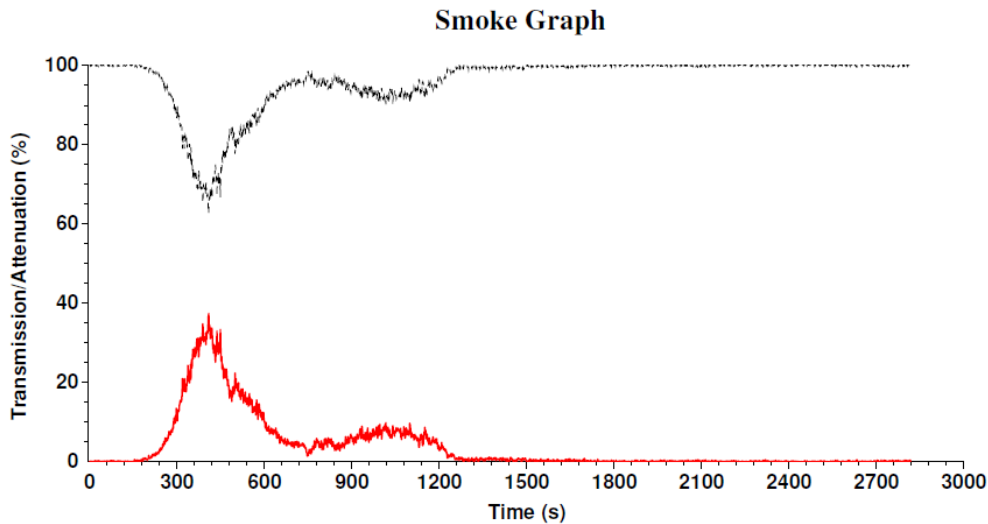


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Sample 3 Length
Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\23110056.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	174	12.3	2.146	510	-	3.3	-
110	274	11.3	3.099	560	-	2.7	-
160	337	10.4	3.504	610	-	2.3	-
210	484	9.4	4.531	660	-	1.9	-
260	730	8.1	5.941	710	-	1.7	-
310	937	7.0	6.534	760	-	1.4	-
360	1152	5.9	6.782	810	-	1.3	-
410	1679	4.9	8.197	860	-	1.1	-
460	2677	4.0	10.703	910	-	1.0	-

END OF REPORT

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Product Technical Manager

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