



## TEST REPORT

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

Test Report No: R23-172  
Sample Received Date: 13/07/2023  
Test Date: 28/11/2023  
Report Date: 11/12/2023

Sample Description: Client Reference: "NEWSTALGIA"  
Loop Pile Carpet Tile  
100% Solution Dyed Nylon 6  
882g/m<sup>2</sup> 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	3.7	3.3	4.0	3.7	kW/m <sup>2</sup>
Width	3.7	-	-	-	kW/m <sup>2</sup>

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	212	207	209	210	%.min
Width	199	-	-	-	%.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 13 seconds (133 s)
Time to flameout	: 50 minutes 57 seconds (3057 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.70
HF-10 (kW/m <sup>2</sup> )	: 8.38
HF-20 (kW/m <sup>2</sup> )	: 6.10
HF-30 (kW/m <sup>2</sup> )	: 4.53
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 430
Peak light attenuation (%)	: 35.85
Time to peak light attenuation	: 6 minutes 45 seconds (405 s)
Total integrated smoke (%.min)	: 212.34

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Product Technical Manager

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## TEST REPORT

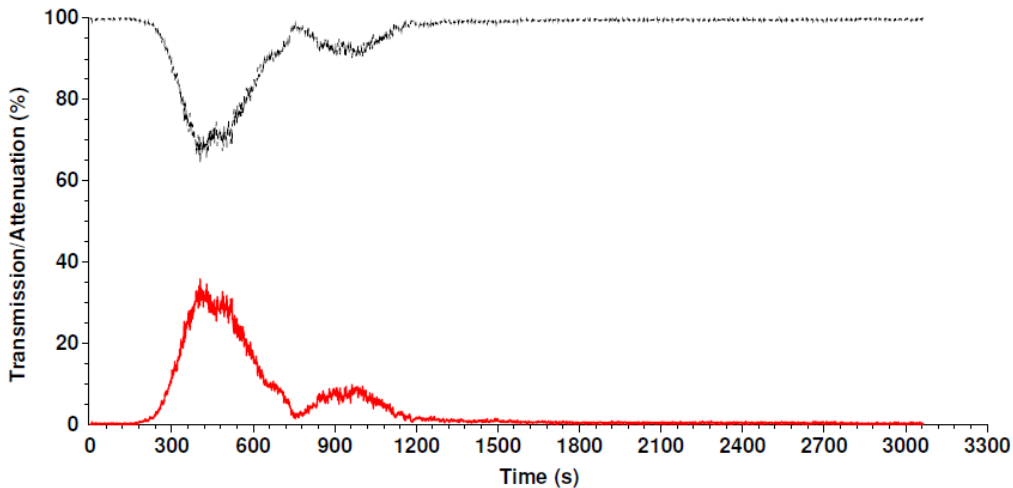
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**Sample 1 Length**  
**Light Attenuation Over Time and Rake Results**

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### Smoke Graph



Test name : LENGTH1  
 File name : C:\FRPSOFT\DATA\23110049.CSV

### Rake Results

Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )	Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )
60	275	12.3	3.392	510	-	3.3	-
110	331	11.3	3.744	560	-	2.7	-
160	427	10.4	4.440	610	-	2.3	-
210	479	9.4	4.484	660	-	1.9	-
260	610	8.1	4.964	710	-	1.7	-
310	871	7.0	6.073	760	-	1.4	-
360	1242	5.9	7.312	810	-	1.3	-
410	1630	4.9	7.958	860	-	1.1	-
460	2256	4.0	9.019	910	-	1.0	-

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### Sample 1 Width

### Test Results

Time to ignition	: 2 minutes 14 seconds (134 s)
Time to flameout	: 54 minutes 55 seconds (3295 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.70
HF-10 (kW/m <sup>2</sup> )	: 8.38
HF-20 (kW/m <sup>2</sup> )	: 5.89
HF-30 (kW/m <sup>2</sup> )	: 4.35
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 440
Peak light attenuation (%)	: 33.04
Time to peak light attenuation	: 6 minutes 29 seconds (389 s)
Total integrated smoke (%.min)	: 198.74

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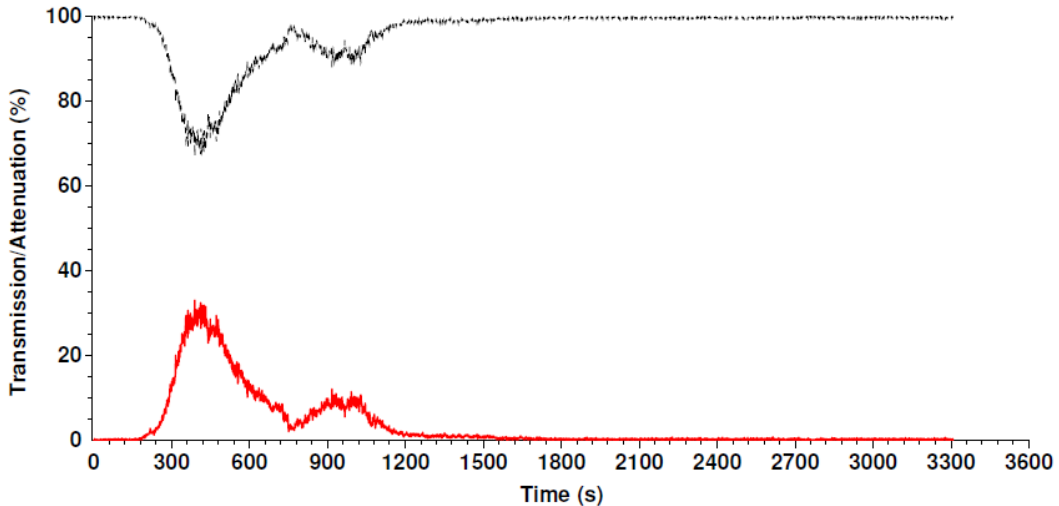
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**Sample 1 Width**  
**Light Attenuation Over Time and Rake Results**

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### Smoke Graph



Test name : WIDTH1  
 File name : C:\FRPSOFT\DATA\23110050.CSV

### Rake Results

Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )	Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )
60	251	12.3	3.096	510	-	3.3	-
110	336	11.3	3.800	560	-	2.7	-
160	390	10.4	4.055	610	-	2.3	-
210	486	9.4	4.550	660	-	1.9	-
260	657	8.1	5.347	710	-	1.7	-
310	912	7.0	6.359	760	-	1.4	-
360	1198	5.9	7.053	810	-	1.3	-
410	1559	4.9	7.611	860	-	1.1	-
460	2317	4.0	9.263	910	-	1.0	-

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### Sample 2 Length

### Test Results

Time to ignition	: 2 minutes 19 seconds (139 s)
Time to flameout	: 59 minutes 26 seconds (3566 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.25
HF-10 (kW/m <sup>2</sup> )	: 8.38
HF-20 (kW/m <sup>2</sup> )	: 6.10
HF-30 (kW/m <sup>2</sup> )	: 4.71
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 32.24
Time to peak light attenuation	: 6 minutes 49 seconds (409 s)
Total integrated smoke (%.min)	: 207.45



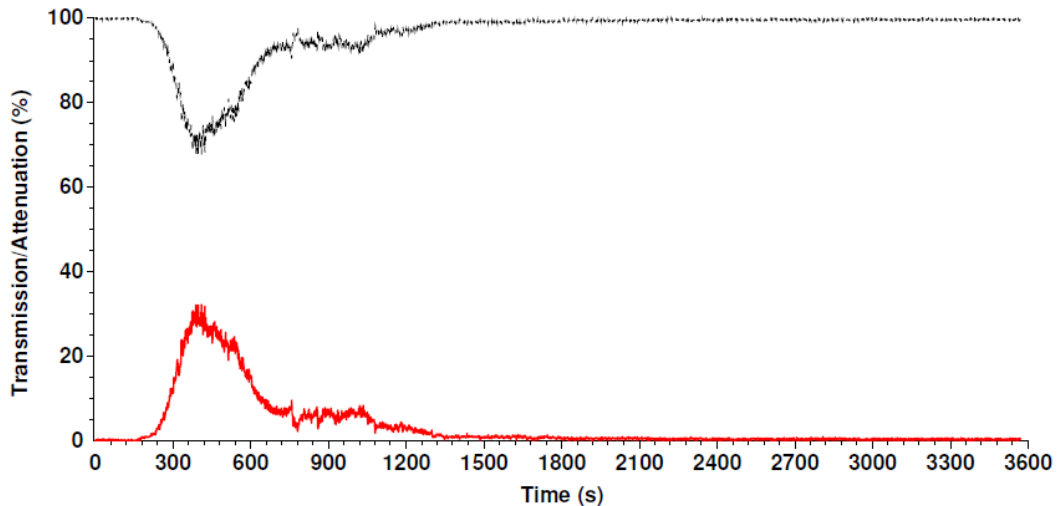
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**Sample 2 Choose an item.**  
**Light Attenuation Over Time and Rake Results**

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### Smoke Graph



Test name : LENGTH2  
 File name : C:\FRPSOFT\DATA\23110051.CSV

### Rake Results

Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )	Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )
60	174	12.3	2.146	510	3082	3.3	10.029
110	231	11.3	2.613	560	-	2.7	-
160	306	10.4	3.181	610	-	2.3	-
210	514	9.4	4.812	660	-	1.9	-
260	689	8.1	5.607	710	-	1.7	-
310	903	7.0	6.297	760	-	1.4	-
360	1231	5.9	7.247	810	-	1.3	-
410	1718	4.9	8.387	860	-	1.1	-
460	2384	4.0	9.531	910	-	1.0	-

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### Sample 3 Length

#### Test Results

Time to ignition	: 2 minutes 18 seconds (138 s)
Time to flameout	: 52 minutes 30 seconds (3150 s)
Extent of burning (mm)	: 460
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.00
HF-10 (kW/m <sup>2</sup> )	: 8.38
HF-20 (kW/m <sup>2</sup> )	: 6.32
HF-30 (kW/m <sup>2</sup> )	: 5.08
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 32.86
Time to peak light attenuation	: 6 minutes 34 seconds (394 s)
Total integrated smoke (%.min)	: 209.03

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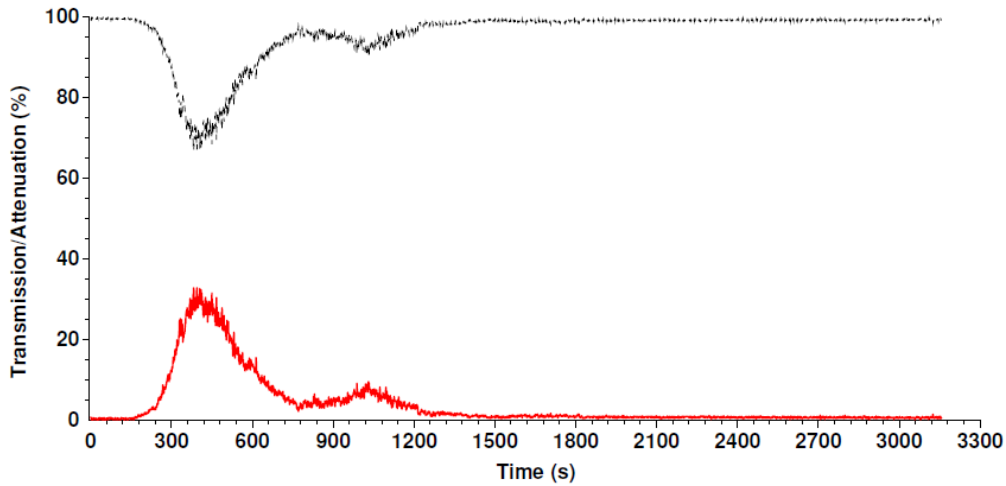
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### Sample 3 Length

### Light Attenuation Over Time and Rake Results

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#### Smoke Graph



Test name : LENGTH3  
 File name : C:\FRPSOFT\DATA\23110052.CSV

#### Rake Results

Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )	Position (mm)	Time (s)	Flux (kW/m <sup>2</sup> )	Qsb (MJ/m <sup>2</sup> )
60	201	12.3	2.480	510	-	3.3	-
110	263	11.3	2.975	560	-	2.7	-
160	379	10.4	3.940	610	-	2.3	-
210	477	9.4	4.466	660	-	1.9	-
260	664	8.1	5.404	710	-	1.7	-
310	941	7.0	6.562	760	-	1.4	-
360	1312	5.9	7.724	810	-	1.3	-
410	1873	4.9	9.144	860	-	1.1	-
460	2466	4.0	9.859	910	-	1.0	-

END OF REPORT

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