



## TEST REPORT

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

Test Report No: R22-238  
Sample Received Date: 25/02/2022  
Test Date: 11/05/2022  
Report Date: 12/05/2022

Sample Description: Client Reference: "SPECKLED GROUND"  
Loop Pile Carpet Tile  
100% Solution Dyed Nylon 6  
712g/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	4.0	3.9	3.9	kW/m <sup>2</sup>
Width	4.2	-	-	-	kW/m <sup>2</sup>
Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	217	200	192	203	%.min
Width	228	-	-	-	%.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 21 seconds (141 s)
Time to flameout	: 51 minutes 28 seconds (3088 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.72
HF-10 (kW/m <sup>2</sup> )	: 8.98
HF-20 (kW/m <sup>2</sup> )	: 6.42
HF-30 (kW/m <sup>2</sup> )	: 4.86
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 30
Time to peak light attenuation	: 7 minutes 41 seconds (461 s)
Total integrated smoke (%.min)	: 216.87



## TEST REPORT

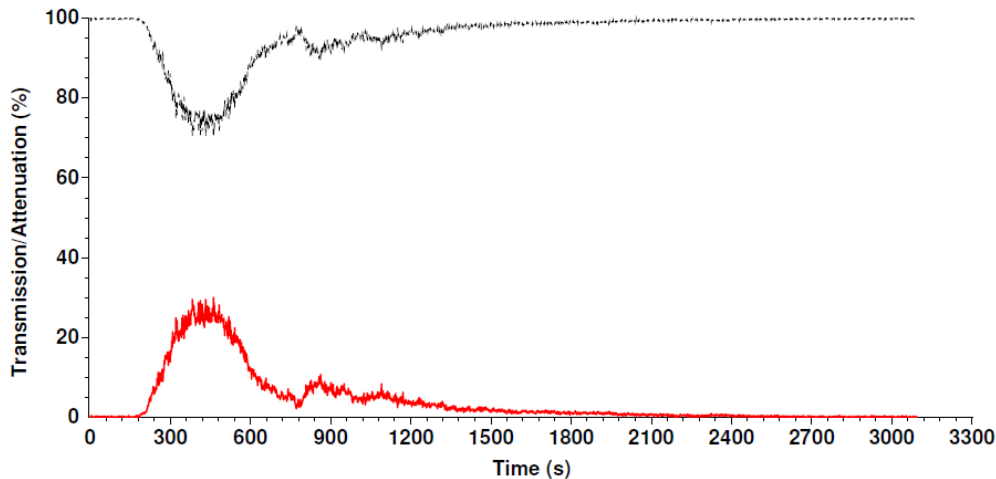
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**Sample 1 Length**  
**Light Attenuation Over Time and Rake Results**

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### Smoke Graph



Test name : LENGTH1  
 File name : C:\FRPSOFT\DATA\22050009.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	217	12.3	2.660	510	-	3.3	-
110	328	11.3	3.704	560	-	2.7	-
160	396	10.4	4.133	610	-	2.3	-
210	445	9.5	4.210	660	-	1.9	-
260	726	8.3	5.999	710	-	1.6	-
310	981	7.1	6.990	760	-	1.4	-
360	1323	6.0	7.874	810	-	1.2	-
410	1738	4.9	8.443	860	-	1.1	-
460	2310	4.0	9.252	910	-	0.9	-



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### Sample 1 Width

### Test Results

Time to ignition	: 2 minutes 27 seconds (147 s)
Time to flameout	: 40 minutes 01 seconds (2401 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.18
HF-10 (kW/m <sup>2</sup> )	: 8.74
HF-20 (kW/m <sup>2</sup> )	: 6.19
HF-30 (kW/m <sup>2</sup> )	: 4.69
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 33.52
Time to peak light attenuation	: 6 minutes 51 seconds (411 s)
Total integrated smoke (%.min)	: 228.22



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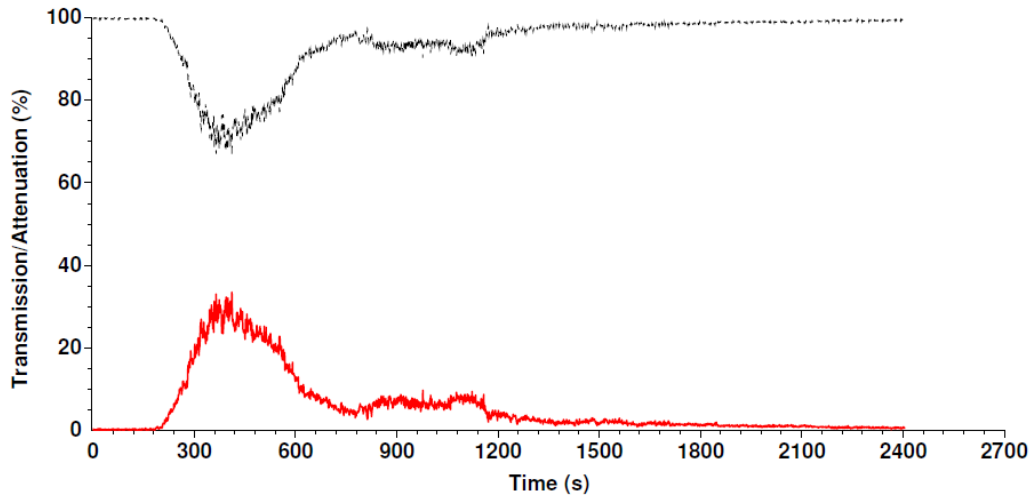
### Sample 1 Width

### Light Attenuation Over Time and Rake Results

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### Smoke Graph



Test name : WIDTH1  
 File name : C:\FRPSOFT\DATA\22050010.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	244	12.3	2.991	510	-	3.3	-
110	330	11.3	3.726	560	-	2.7	-
160	411	10.4	4.289	610	-	2.3	-
210	498	9.5	4.712	660	-	1.9	-
260	725	8.3	5.991	710	-	1.6	-
310	939	7.1	6.690	760	-	1.4	-
360	1295	6.0	7.708	810	-	1.2	-
410	1592	4.9	7.734	860	-	1.1	-
460	-	4.0	-	910	-	0.9	-



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### Sample 2 Length

#### Test Results

Time to ignition	: 2 minutes 17 seconds (137 s)
Time to flameout	: 55 minutes 34 seconds (3334 s)
Extent of burning (mm)	: 460
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.01
HF-10 (kW/m <sup>2</sup> )	: 8.98
HF-20 (kW/m <sup>2</sup> )	: 6.66
HF-30 (kW/m <sup>2</sup> )	: 5.08
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 27.46
Time to peak light attenuation	: 6 minutes 23 seconds (383 s)
Total integrated smoke (%.min)	: 199.96



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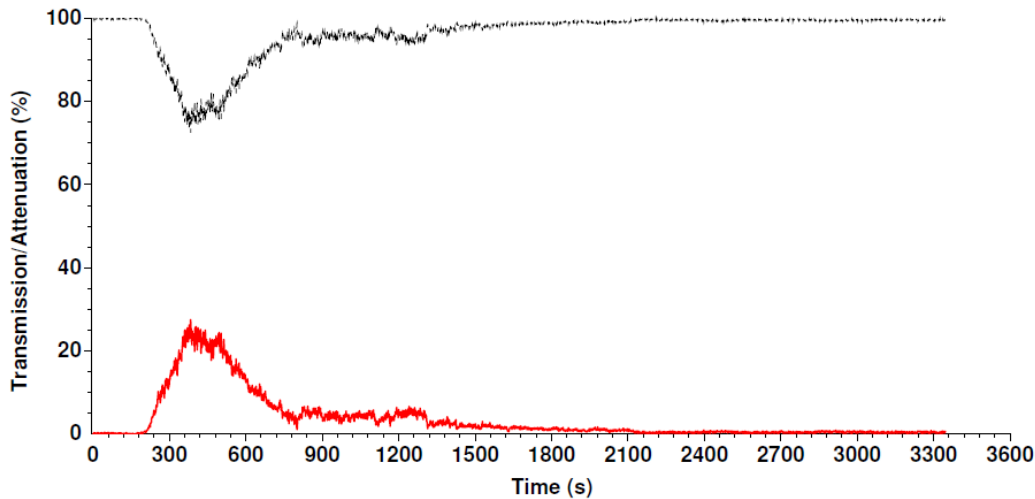
### Sample 2 Length

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### Smoke Graph



Test name : LENGTH2  
 File name : C:\FRPSOFT\DATA\22050011.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	213	12.3	2.611	510	-	3.3	-
110	316	11.3	3.568	560	-	2.7	-
160	412	10.4	4.300	610	-	2.3	-
210	528	9.5	4.995	660	-	1.9	-
260	803	8.3	6.635	710	-	1.6	-
310	1112	7.1	7.923	760	-	1.4	-
360	1454	6.0	8.654	810	-	1.2	-
410	1897	4.9	9.216	860	-	1.1	-
460	2871	4.0	11.498	910	-	0.9	-



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### Sample 3 Length

#### Test Results

Time to ignition	: 2 minutes 24 seconds (144 s)
Time to flameout	: 51 minutes 56 seconds (3116 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.86
HF-10 (kW/m <sup>2</sup> )	: 8.98
HF-20 (kW/m <sup>2</sup> )	: 6.66
HF-30 (kW/m <sup>2</sup> )	: 5.08
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 30.89
Time to peak light attenuation	: 6 minutes 10 seconds (370 s)
Total integrated smoke (%.min)	: 192.42





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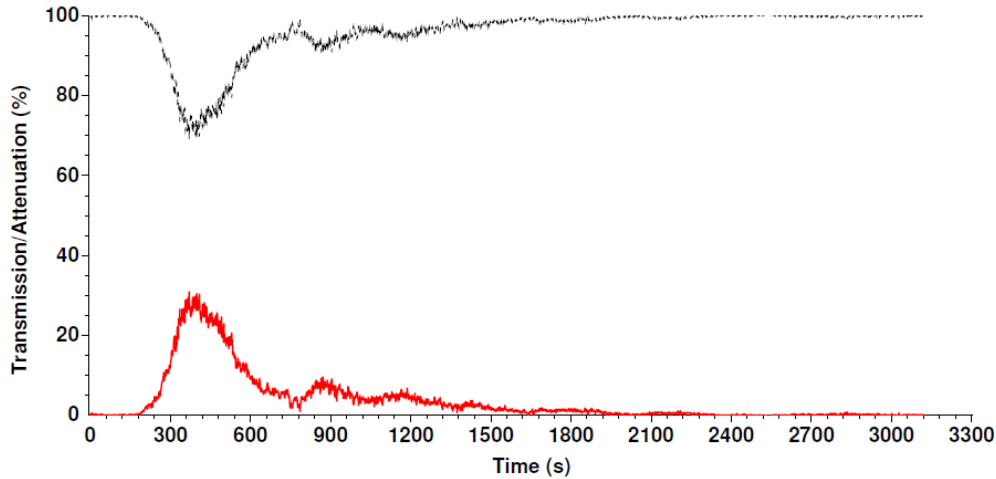
### Sample 3 Length

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#### Smoke Graph



Test name : LENGTH3  
 File name : C:\FRPSOFT\DATA\22050012.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	218	12.3	2.672	510	-	3.3	-
110	320	11.3	3.613	560	-	2.7	-
160	397	10.4	4.143	610	-	2.3	-
210	516	9.5	4.882	660	-	1.9	-
260	829	8.3	6.850	710	-	1.6	-
310	1034	7.1	7.367	760	-	1.4	-
360	1369	6.0	8.148	810	-	1.2	-
410	1836	4.9	8.919	860	-	1.1	-
460	2413	4.0	9.664	910	-	0.9	-

END OF REPORT