



## TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R22-400A
Manufacturing:	34 Airds Road Minto	Sample Received Date:	5/10/2022
	NSW 2566	Test Date:	26/10/2022
	Australia	Report Date:	25/07/2023

Sample	Client Reference: "WORKS+ EFFECT"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	576g/m <sup>2</sup> on a Glasbac Backing	

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	3.0	2.4	2.6	2.7	kW/m <sup>2</sup>
Width	3.2	-	-	-	kW/m <sup>2</sup>

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	181	191	220	197	%.min
Width	164	-	-	-	%.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.

ALISON ATTENBOROUGH  
Product Technical Manager

APPROVED SIGNATORY



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### Sample 1 Length

### Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 48 minutes 40 seconds (2920 s)
Extent of burning (mm)	: 540
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.04
HF-10 (kW/m <sup>2</sup> )	: 8.11
HF-20 (kW/m <sup>2</sup> )	: 5.63
HF-30 (kW/m <sup>2</sup> )	: 4.13
Flame spread at 10 minutes (mm)	: 270
Flame spread at 20 minutes (mm)	: 380
Flame spread at 30 minutes (mm)	: 460
Peak light attenuation (%)	: 36.25
Time to peak light attenuation	: 5 minutes 17 seconds (317 s)
Total integrated smoke (%.min)	: 180.67



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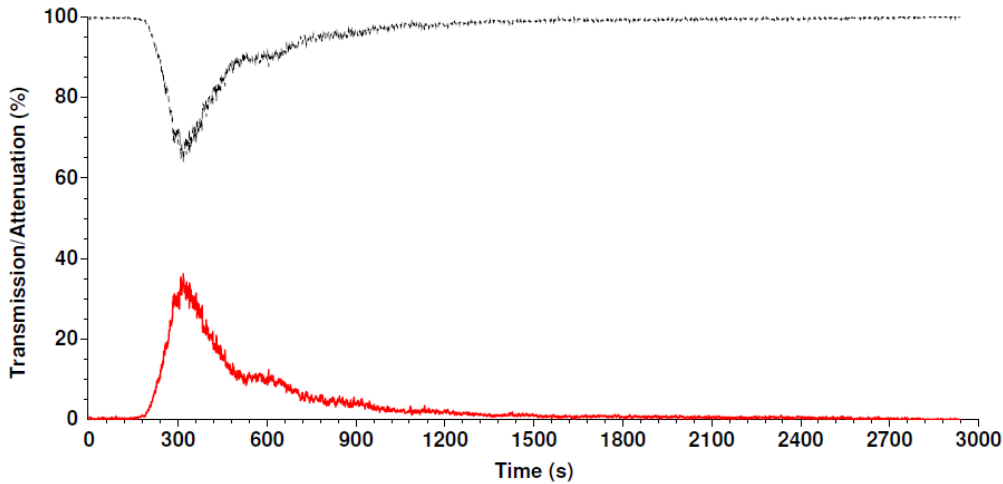
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**Sample 1 Length**  
**Light Attenuation Over Time and Rake Results**

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### Smoke Graph



Test name : LENGTH1  
 File name : C:\FRPSOFT\DATA\22100045.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	179	12.3	2.196	510	2361	3.4	8.018
110	256	11.3	2.901	560	-	2.8	-
160	335	10.5	3.519	610	-	2.3	-
210	415	9.6	3.967	660	-	2.0	-
260	568	8.3	4.737	710	-	1.7	-
310	805	7.2	5.778	760	-	1.4	-
360	1090	6.0	6.592	810	-	1.3	-
410	1429	5.0	7.142	860	-	1.1	-
460	1796	4.1	7.412	910	-	1.0	-



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### Sample 1 Width

#### Test Results

Time to ignition	: 2 minutes 18 seconds (138 s)
Time to flameout	: 48 minutes 42 seconds (2922 s)
Extent of burning (mm)	: 530
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.16
HF-10 (kW/m <sup>2</sup> )	: 8.34
HF-20 (kW/m <sup>2</sup> )	: 5.63
HF-30 (kW/m <sup>2</sup> )	: 3.69
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 380
Flame spread at 30 minutes (mm)	: 490
Peak light attenuation (%)	: 33.02
Time to peak light attenuation	: 5 minutes 52 seconds (352 s)
Total integrated smoke (%.min)	: 163.87



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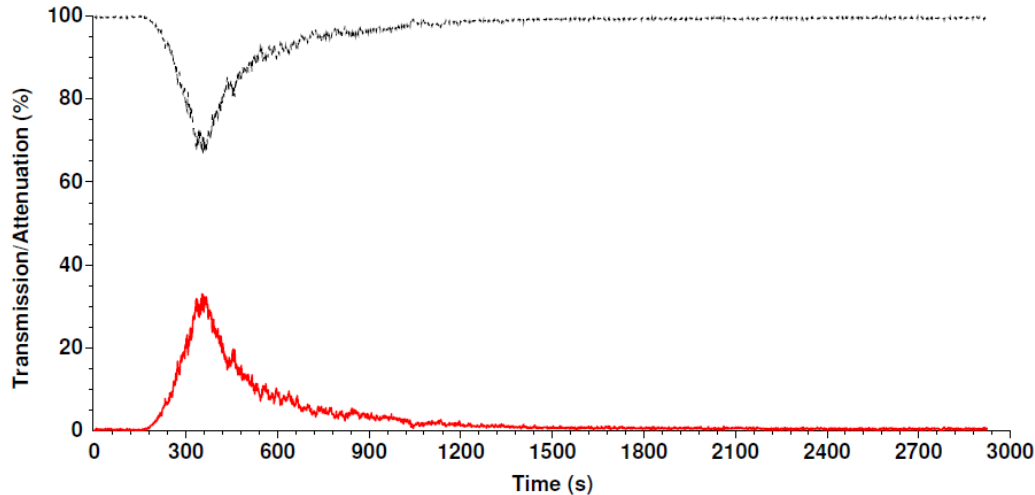
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**Sample 1 Width**  
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### Smoke Graph



Test name : WIDTH1  
 File name : C:\FRPSOFT\DATA\22100046.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	188	12.3	2.306	510	2207	3.4	7.495
110	267	11.3	3.025	560	-	2.8	-
160	344	10.5	3.614	610	-	2.3	-
210	419	9.6	4.005	660	-	2.0	-
260	572	8.3	4.770	710	-	1.7	-
310	739	7.2	5.305	760	-	1.4	-
360	991	6.0	5.994	810	-	1.3	-
410	1309	5.0	6.542	860	-	1.1	-
460	1731	4.1	7.144	910	-	1.0	-



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### Sample 2 Length

### Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 73 minutes 59 seconds (4439 s)
Extent of burning (mm)	: 600
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 2.44
HF-10 (kW/m <sup>2</sup> )	: 7.87
HF-20 (kW/m <sup>2</sup> )	: 5.21
HF-30 (kW/m <sup>2</sup> )	: 3.83
Flame spread at 10 minutes (mm)	: 280
Flame spread at 20 minutes (mm)	: 400
Flame spread at 30 minutes (mm)	: 480
Peak light attenuation (%)	: 40.43
Time to peak light attenuation	: 5 minutes 53 seconds (353 s)
Total integrated smoke (%.min)	: 191



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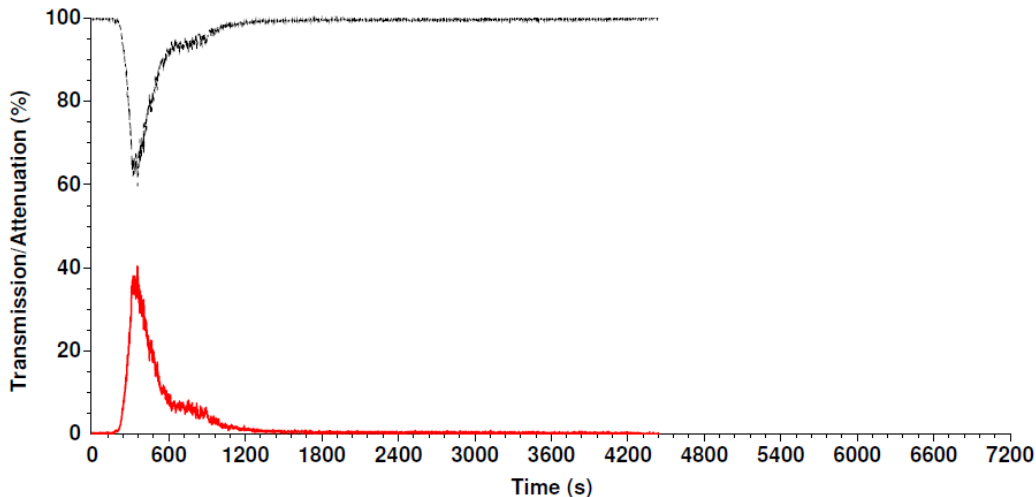
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### Smoke Graph



Test name : LENGTH2  
 File name : C:\FRPSOFT\DATA\22100047.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	221	12.3	2.711	510	2201	3.4	7.475
110	266	11.3	3.014	560	3013	2.8	8.464
160	337	10.5	3.540	610	-	2.3	-
210	386	9.6	3.690	660	-	2.0	-
260	530	8.3	4.420	710	-	1.7	-
310	742	7.2	5.326	760	-	1.4	-
360	941	6.0	5.691	810	-	1.3	-
410	1272	5.0	6.357	860	-	1.1	-
460	1632	4.1	6.735	910	-	1.0	-



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### Sample 3 Length

#### Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 62 minutes 25 seconds (3745 s)
Extent of burning (mm)	: 580
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 2.62
HF-10 (kW/m <sup>2</sup> )	: 7.64
HF-20 (kW/m <sup>2</sup> )	: 5.21
HF-30 (kW/m <sup>2</sup> )	: 3.54
Flame spread at 10 minutes (mm)	: 290
Flame spread at 20 minutes (mm)	: 400
Flame spread at 30 minutes (mm)	: 500
Peak light attenuation (%)	: 44.61
Time to peak light attenuation	: 5 minutes 07 seconds (307 s)
Total integrated smoke (%.min)	: 219.66





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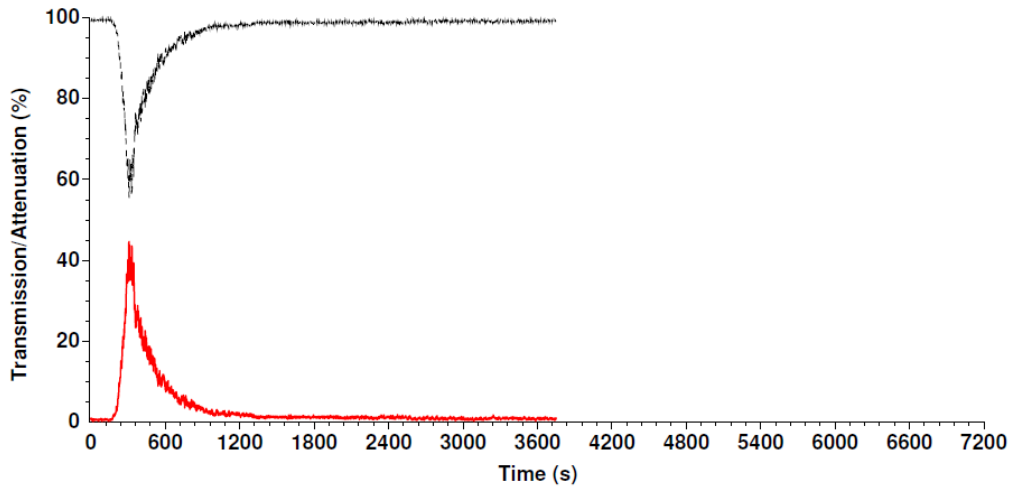
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### Smoke Graph



Test name : LENGTH3  
 File name : C:\FRPSOFT\DATA\22100048.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	204	12.3	2.502	510	2003	3.4	6.802
110	258	11.3	2.923	560	2668	2.8	7.494
160	302	10.5	3.173	610	-	2.3	-
210	378	9.6	3.613	660	-	2.0	-
260	526	8.3	4.386	710	-	1.7	-
310	678	7.2	4.867	760	-	1.4	-
360	889	6.0	5.377	810	-	1.3	-
410	1211	5.0	6.053	860	-	1.1	-
460	1602	4.1	6.611	910	-	1.0	-

END OF REPORT