



## TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R23-065
Manufacturing:	34 Airds Road Minto	Sample Received Date:	10/03/2023
	NSW 2566	Test Date:	4/05/2023
	Australia	Report Date:	8/05/2023

Sample	Client Reference: "Stunt Double"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	746g/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	4.2	-	-	-	kW/m <sup>2</sup>
Width	3.9	4.4	3.9	4.1	kW/m <sup>2</sup>

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	190	-	-	-	%.min
Width	176	185	181	181	%.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.

KARTHIK BHASKARAN  
Materials Scientist

APPROVED SIGNATORY



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### Sample 1 Length

### Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 60 minutes 56 seconds (3656 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.24
HF-10 (kW/m <sup>2</sup> )	: 9.24
HF-20 (kW/m <sup>2</sup> )	: 6.84
HF-30 (kW/m <sup>2</sup> )	: 5.54
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 320
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 28.22
Time to peak light attenuation	: 6 minutes 17 seconds (377 s)
Total integrated smoke (%.min)	: 189.49



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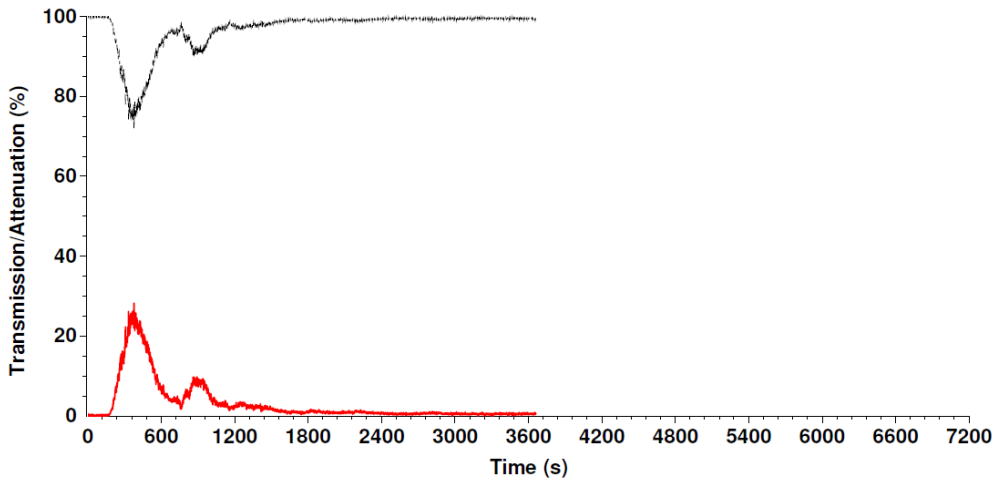
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**Sample 1 Length**  
**Light Attenuation Over Time and Rake Results**

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### Smoke Graph



Test name : LENGTH1  
 File name : C:\FRPSOFT\DATA\23050013.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	237	12.0	2.854	510	-	3.3	-
110	337	11.2	3.760	560	-	2.8	-
160	420	10.4	4.360	610	-	2.3	-
210	563	9.5	5.339	660	-	2.0	-
260	829	8.2	6.834	710	-	1.7	-
310	1176	7.1	8.307	760	-	1.5	-
360	1641	6.0	9.769	810	-	1.3	-
410	2191	4.9	10.784	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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### Sample 1 Width

### Test Results

Time to ignition	: 2 minutes 14 seconds (134 s)
Time to flameout	: 48 minutes 13 seconds (2893 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.92
HF-10 (kW/m <sup>2</sup> )	: 8.49
HF-20 (kW/m <sup>2</sup> )	: 6.18
HF-30 (kW/m <sup>2</sup> )	: 4.92
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 31.46
Time to peak light attenuation	: 6 minutes 34 seconds (394 s)
Total integrated smoke (%.min)	: 175.83



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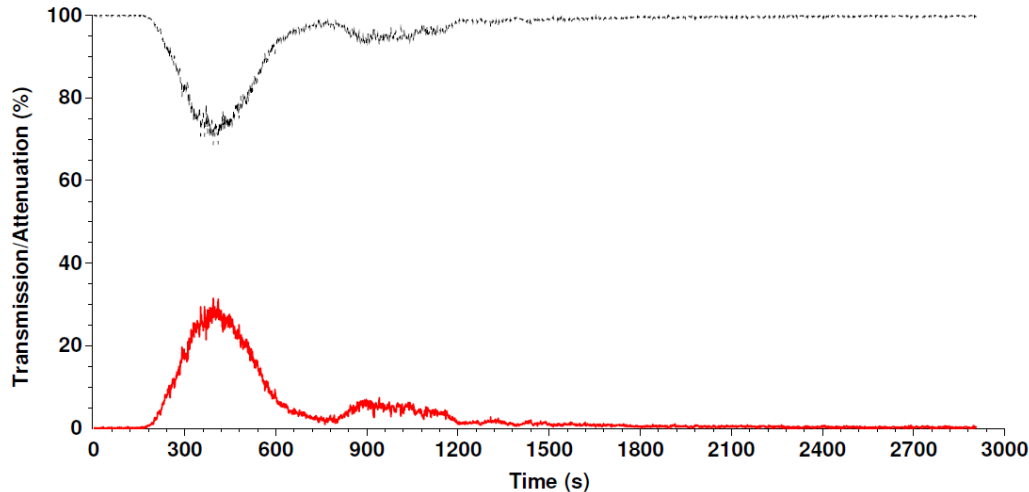
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### Smoke Graph



Test name : WIDTH1  
 File name : C:\FRPSOFT\DATA\23050014.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	263	12.0	3.167	510	-	3.3	-
110	320	11.2	3.570	560	-	2.8	-
160	392	10.4	4.069	610	-	2.3	-
210	482	9.5	4.571	660	-	2.0	-
260	649	8.2	5.350	710	-	1.7	-
310	949	7.1	6.704	760	-	1.5	-
360	1308	6.0	7.787	810	-	1.3	-
410	1777	4.9	8.746	860	-	1.1	-
460	2624	4.1	10.664	910	-	1.0	-



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### Sample 2 Width

### Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 55 minutes 43 seconds (3343 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.41
HF-10 (kW/m <sup>2</sup> )	: 8.74
HF-20 (kW/m <sup>2</sup> )	: 6.40
HF-30 (kW/m <sup>2</sup> )	: 5.33
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 25.94
Time to peak light attenuation	: 6 minutes 39 seconds (399 s)
Total integrated smoke (%.min)	: 185.15



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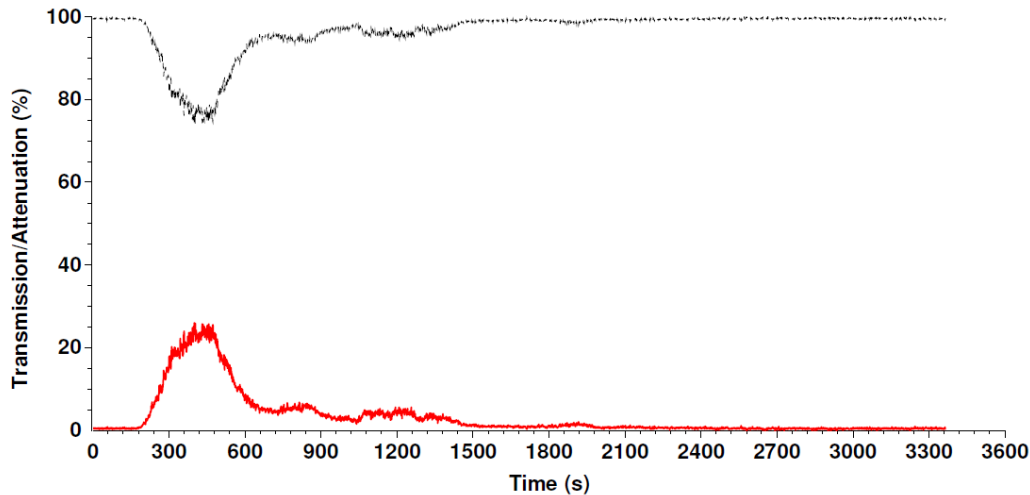
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### Smoke Graph



Test name : WIDTH2  
 File name : C:\FRPSOFT\DATA\23050015.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	261	12.0	3.143	510	-	3.3	-
110	346	11.2	3.860	560	-	2.8	-
160	424	10.4	4.402	610	-	2.3	-
210	512	9.5	4.856	660	-	2.0	-
260	689	8.2	5.680	710	-	1.7	-
310	1104	7.1	7.799	760	-	1.5	-
360	1476	6.0	8.787	810	-	1.3	-
410	1975	4.9	9.721	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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### Sample 3 Width

#### Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 55 minutes 34 seconds (3334 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.92
HF-10 (kW/m <sup>2</sup> )	: 8.74
HF-20 (kW/m <sup>2</sup> )	: 6.40
HF-30 (kW/m <sup>2</sup> )	: 5.13
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 26.87
Time to peak light attenuation	: 6 minutes 08 seconds (368 s)
Total integrated smoke (%.min)	: 180.93





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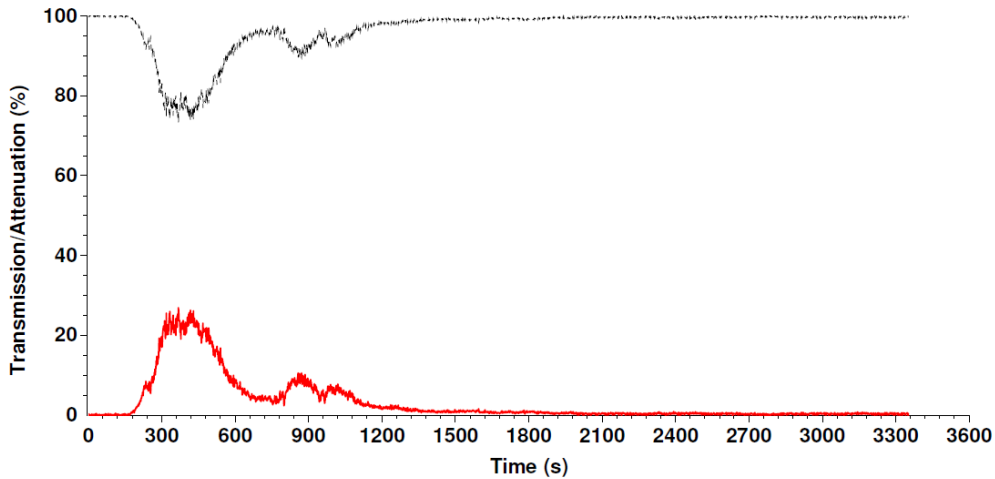
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**Sample 3 Width**  
**Light Attenuation Over Time and Rake Results**

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### Smoke Graph



Test name : WIDTH3  
 File name : C:\FRPSOFT\DATA\23050016.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	241	12.0	2.902	510	-	3.3	-
110	305	11.2	3.403	560	-	2.8	-
160	425	10.4	4.412	610	-	2.3	-
210	528	9.5	5.008	660	-	2.0	-
260	719	8.2	5.927	710	-	1.7	-
310	1030	7.1	7.276	760	-	1.5	-
360	1405	6.0	8.364	810	-	1.3	-
410	1950	4.9	9.598	860	-	1.1	-
460	2999	4.1	12.188	910	-	1.0	-

END OF REPORT