



## TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R24-280
Manufacturing:	34 Airds Road Minto	Sample Received Date:	11/11/2024
	NSW 2566	Test Date:	16/12/2024
	Australia	Report Date:	20/12/2024

Sample	Client Reference: "DECKLED"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	712g/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	4.5	-	-	-	kW/m <sup>2</sup>
Width	4.0	4.4	4.0	4.1	kW/m <sup>2</sup>

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	170	-	-	-	%.min
Width	171	158	174	168	%.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 16 seconds (136 s)
Time to flameout	: 47 minutes 42 seconds (2862 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.54
HF-10 (kW/m <sup>2</sup> )	: 8.92
HF-20 (kW/m <sup>2</sup> )	: 6.14
HF-30 (kW/m <sup>2</sup> )	: 5.09
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 36.7
Time to peak light attenuation	: 6 minutes 12 seconds (372 s)
Total integrated smoke (%.min)	: 170.14



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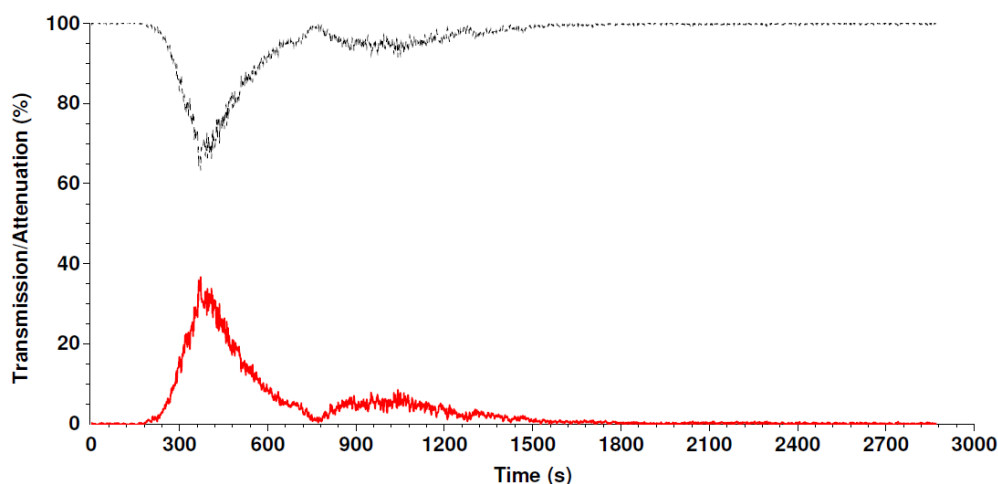
### Sample 1 Length

### Light Attenuation Over Time and Rake Results

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### Smoke Graph



Test name : LENGTH1  
File name : C:\FRPSOFT\DATA\24120021.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	255	12.3	3.140	510	-	3.3	-
110	330	11.3	3.732	560	-	2.7	-
160	417	10.4	4.345	610	-	2.3	-
210	507	9.4	4.769	660	-	2.0	-
260	789	8.2	6.459	710	-	1.7	-
310	979	7.0	6.877	760	-	1.5	-
360	1355	5.9	8.015	810	-	1.3	-
410	1860	4.9	9.086	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

MAIKO NISHIO  
Laboratory Coordinator  
APPROVED SIGNATORY



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### Sample 1 Width

### Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 60 minutes 07 seconds (3607 s)
Extent of burning (mm)	: 460
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.03
HF-10 (kW/m <sup>2</sup> )	: 8.43
HF-20 (kW/m <sup>2</sup> )	: 6.14
HF-30 (kW/m <sup>2</sup> )	: 4.89
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 36.15
Time to peak light attenuation	: 6 minutes 11 seconds (371 s)
Total integrated smoke (%.min)	: 171.38



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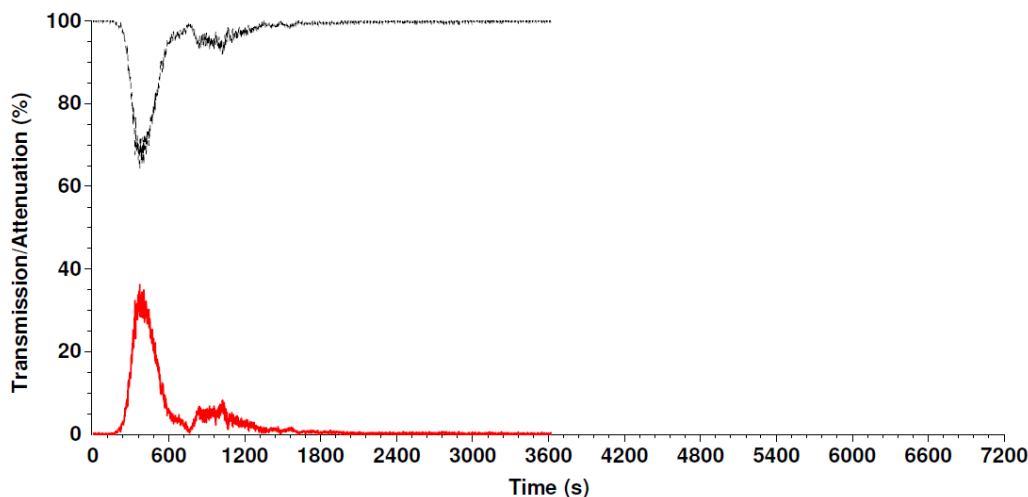
### Sample 1 Width

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### Smoke Graph



Test name : WIDTH1  
File name : C:\FRPSOFT\DATA\24120022.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	248	12.3	3.053	510	-	3.3	-
110	330	11.3	3.732	560	-	2.7	-
160	433	10.4	4.511	610	-	2.3	-
210	474	9.4	4.459	660	-	2.0	-
260	688	8.2	5.632	710	-	1.7	-
310	938	7.0	6.589	760	-	1.5	-
360	1278	5.9	7.559	810	-	1.3	-
410	1736	4.9	8.480	860	-	1.1	-
460	3146	4.0	12.678	910	-	1.0	-

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### Sample 2 Width

### Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 42 minutes 48 seconds (2568 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.37
HF-10 (kW/m <sup>2</sup> )	: 8.92
HF-20 (kW/m <sup>2</sup> )	: 6.14
HF-30 (kW/m <sup>2</sup> )	: 4.89
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 30.16
Time to peak light attenuation	: 6 minutes 43 seconds (403 s)
Total integrated smoke (%.min)	: 158.02



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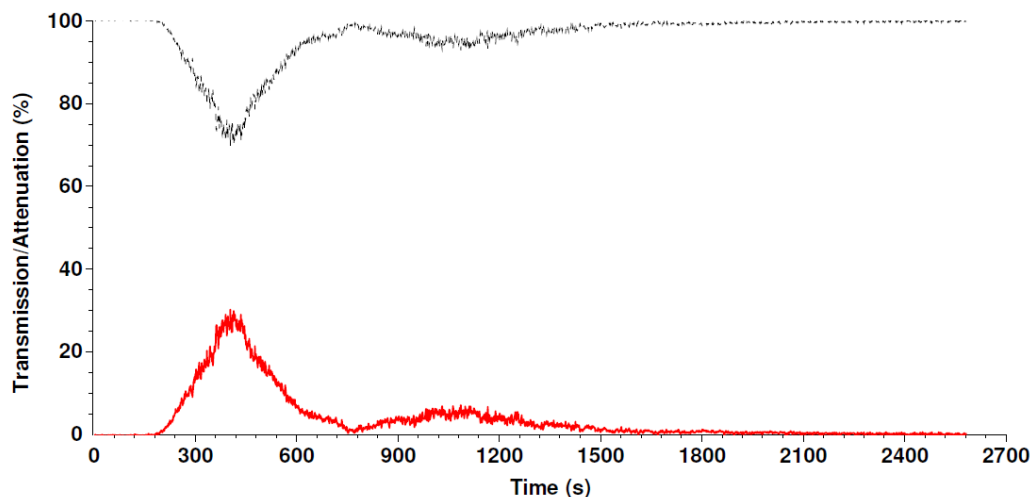
### Sample 2 Width

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### Smoke Graph



Test name : WIDTH2  
File name : C:\FRPSOFT\DATA\24120023.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	283	12.3	3.484	510	-	3.3	-
110	343	11.3	3.879	560	-	2.7	-
160	411	10.4	4.282	610	-	2.3	-
210	517	9.4	4.863	660	-	2.0	-
260	784	8.2	6.418	710	-	1.7	-
310	1057	7.0	7.425	760	-	1.5	-
360	1329	5.9	7.861	810	-	1.3	-
410	1755	4.9	8.573	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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### Sample 3 Width

### Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 55 minutes 19 seconds (3319 s)
Extent of burning (mm)	: 460
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.03
HF-10 (kW/m <sup>2</sup> )	: 8.67
HF-20 (kW/m <sup>2</sup> )	: 6.14
HF-30 (kW/m <sup>2</sup> )	: 4.71
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 35.71
Time to peak light attenuation	: 6 minutes 24 seconds (384 s)
Total integrated smoke (%.min)	: 174.37

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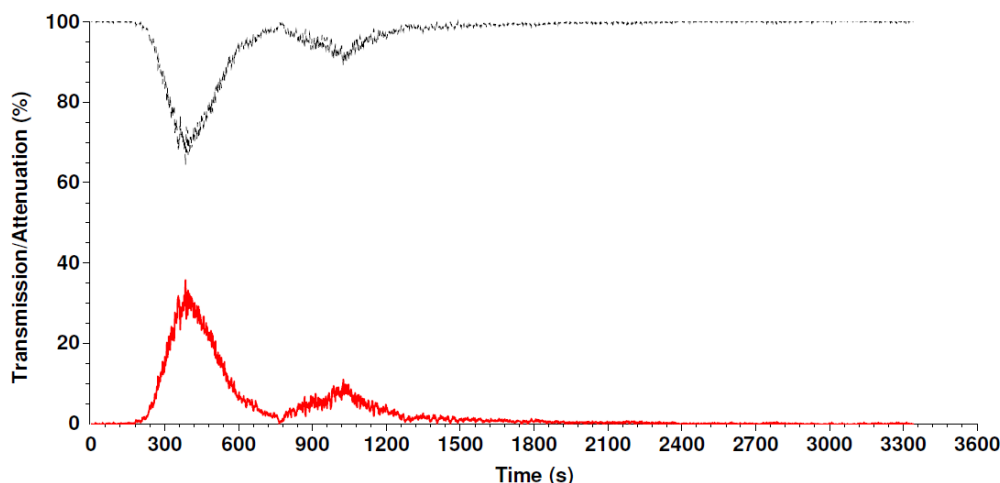
### Sample 3 Width

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### Smoke Graph



Test name : WIDTH3  
File name : C:\FRPSOFT\DATA\24120024.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	256	12.3	3.152	510	-	3.3	-
110	335	11.3	3.789	560	-	2.7	-
160	382	10.4	3.980	610	-	2.3	-
210	479	9.4	4.506	660	-	2.0	-
260	704	8.2	5.763	710	-	1.7	-
310	960	7.0	6.744	760	-	1.5	-
360	1294	5.9	7.654	810	-	1.3	-
410	1713	4.9	8.368	860	-	1.1	-
460	2527	4.0	10.184	910	-	1.0	-

END OF REPORT

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