



## TEST REPORT

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

Test Report No: R23-057  
Sample Received Date: 10/03/2023  
Test Date: 27/04/2023  
Report Date: 28/04/2023

Sample Description: Client Reference: "MIRROR MIRROR"  
Loop Pile Carpet Tile  
100% Solution Dyed Nylon 6  
746g/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	4.4	4.8	3.6	4.3	kW/m <sup>2</sup>
Width	4.4	-	-	-	kW/m <sup>2</sup>

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	172	183	185	180	%.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.

KARTHIK BHASKARAN  
Materials Scientist

APPROVED SIGNATORY



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### Sample 1 Length

#### Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 41 minutes 23 seconds (2483 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.41
HF-10 (kW/m <sup>2</sup> )	: 8.24
HF-20 (kW/m <sup>2</sup> )	: 6.18
HF-30 (kW/m <sup>2</sup> )	: 4.92
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 36.45
Time to peak light attenuation	: 5 minutes 24 seconds (324 s)
Total integrated smoke (%.min)	: 172.06



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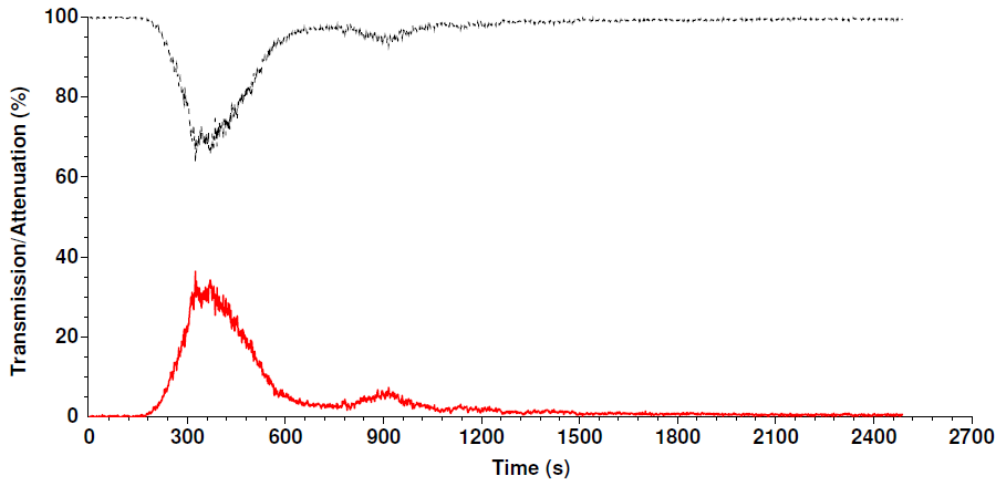
### Sample 1 Length

### Light Attenuation Over Time and Rake Results

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#### Smoke Graph



Test name : LENGTH1  
 File name : C:\FRPSOFT\DATA\23040033.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	238	12.0	2.866	510	-	3.3	-
110	305	11.2	3.403	560	-	2.8	-
160	364	10.4	3.779	610	-	2.3	-
210	429	9.5	4.069	660	-	2.0	-
260	580	8.2	4.782	710	-	1.7	-
310	887	7.1	6.266	760	-	1.5	-
360	1301	6.0	7.745	810	-	1.3	-
410	1784	4.9	8.781	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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### Sample 1 Width

#### Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 46 minutes 41 seconds (2801 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.41
HF-10 (kW/m <sup>2</sup> )	: 8.49
HF-20 (kW/m <sup>2</sup> )	: 6.84
HF-30 (kW/m <sup>2</sup> )	: 5.13
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 320
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 33.2
Time to peak light attenuation	: 5 minutes 56 seconds (356 s)
Total integrated smoke (%.min)	: 164.01



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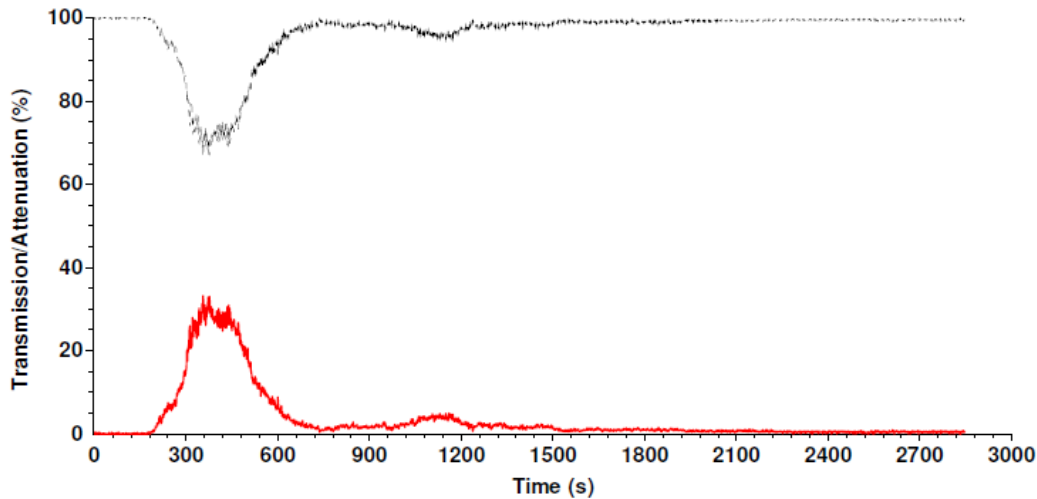
### Sample 1 Width

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### Smoke Graph



Test name : WIDTH1  
 File name : C:\FRPSOFT\DATA\23040034.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	225	12.0	2.710	510	-	3.3	-
110	291	11.2	3.247	560	-	2.8	-
160	341	10.4	3.540	610	-	2.3	-
210	477	9.5	4.524	660	-	2.0	-
260	756	8.2	6.232	710	-	1.7	-
310	1034	7.1	7.304	760	-	1.5	-
360	1400	6.0	8.334	810	-	1.3	-
410	2068	4.9	10.179	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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### Sample 2 Length

### Test Results

Time to ignition	: 2 minutes 14 seconds (134 s)
Time to flameout	: 37 minutes 56 seconds (2276 s)
Extent of burning (mm)	: 420
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.75
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 (%)	: 30.85
Time to peak light attenuation	: 6 minutes 44 seconds (404 s)
Total integrated smoke (%.min)	: 182.76



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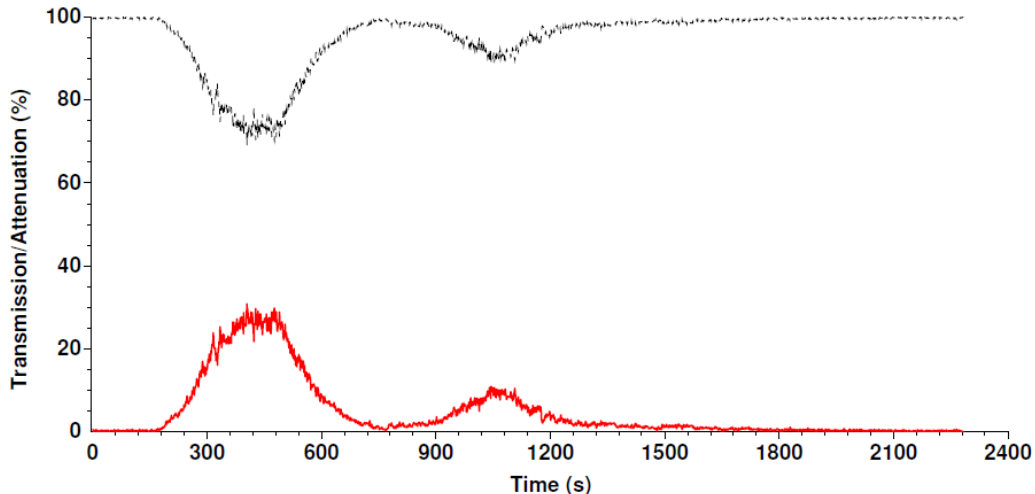
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**Sample 2 Length**  
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### Smoke Graph



Test name : LENGTH2  
 File name : C:\FRPSOFT\DATA\23040035.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	223	12.0	2.686	510	-	3.3	-
110	327	11.2	3.648	560	-	2.8	-
160	419	10.4	4.350	610	-	2.3	-
210	475	9.5	4.505	660	-	2.0	-
260	657	8.2	5.416	710	-	1.7	-
310	1032	7.1	7.290	760	-	1.5	-
360	1284	6.0	7.644	810	-	1.3	-
410	1802	4.9	8.869	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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### Sample 3 Length

#### Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 50 minutes 38 seconds (3038 s)
Extent of burning (mm)	: 490
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.63
HF-10 (kW/m <sup>2</sup> )	: 8.24
HF-20 (kW/m <sup>2</sup> )	: 5.95
HF-30 (kW/m <sup>2</sup> )	: 4.58
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 430
Peak light attenuation (%)	: 37.96
Time to peak light attenuation	: 5 minutes 17 seconds (317 s)
Total integrated smoke (%.min)	: 184.78





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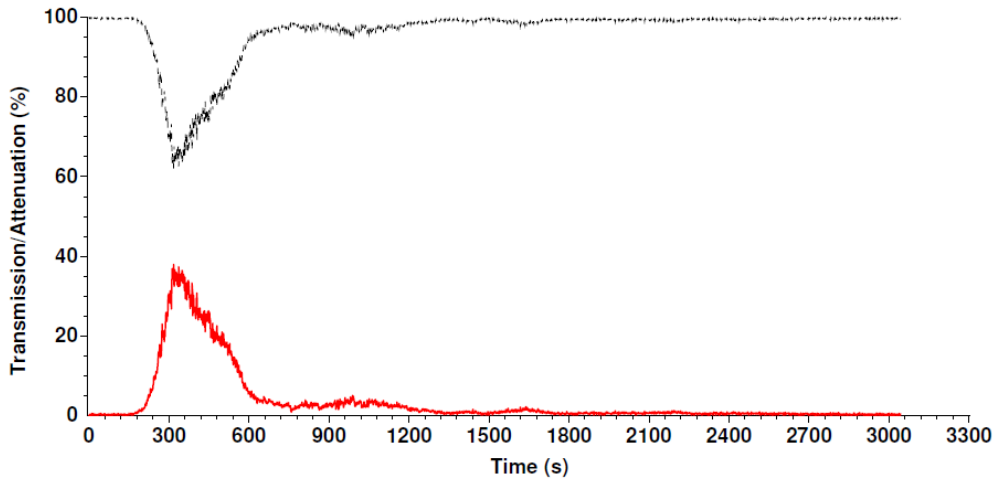
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**Sample 3 Length**  
**Light Attenuation Over Time and Rake Results**

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**Smoke Graph**



Test name : LENGTH3  
 File name : C:\FRPSOFT\DATA\23040036.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	173	12.0	2.083	510	-	3.3	-
110	261	11.2	2.912	560	-	2.8	-
160	331	10.4	3.436	610	-	2.3	-
210	415	9.5	3.936	660	-	2.0	-
260	538	8.2	4.435	710	-	1.7	-
310	921	7.1	6.506	760	-	1.5	-
360	1068	6.0	6.358	810	-	1.3	-
410	1529	4.9	7.526	860	-	1.1	-
460	2563	4.1	10.416	910	-	1.0	-

END OF REPORT