



## TEST REPORT

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

Test Report No: R23-154  
Sample Received Date: 14/07/2023  
Test Date: 24/10/2023  
Report Date: 3/11/2023

Sample Description: Client Reference: "ARCHIVAL"  
Loop Pile Carpet Tile  
100% Solution Dyed Nylon 6  
1322g/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	4.6	5.4	4.6	4.8	kW/m <sup>2</sup>
Width	4.6	-	-	-	kW/m <sup>2</sup>

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	212	222	242	225	%.min
Width	209	-	-	-	%.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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Product Technical Manager

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### Sample 1 Length

### Test Results

Time to ignition	: 2 minutes 14 seconds (134 s)
Time to flameout	: 41 minutes 33 seconds (2493 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.59
HF-10 (kW/m <sup>2</sup> )	: 8.44
HF-20 (kW/m <sup>2</sup> )	: 6.40
HF-30 (kW/m <sup>2</sup> )	: 5.35
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 34.57
Time to peak light attenuation	: 7 minutes 23 seconds (443 s)
Total integrated smoke (%.min)	: 212.07

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# SYDNEY CARPET LABORATORY

OF INTERFACE AUST. PTY LIMITED - ABN 39 000 692 026

34 AIRDS ROAD, MINTO NSW 2566 - TEL: (02) 8706 4632

## TEST REPORT

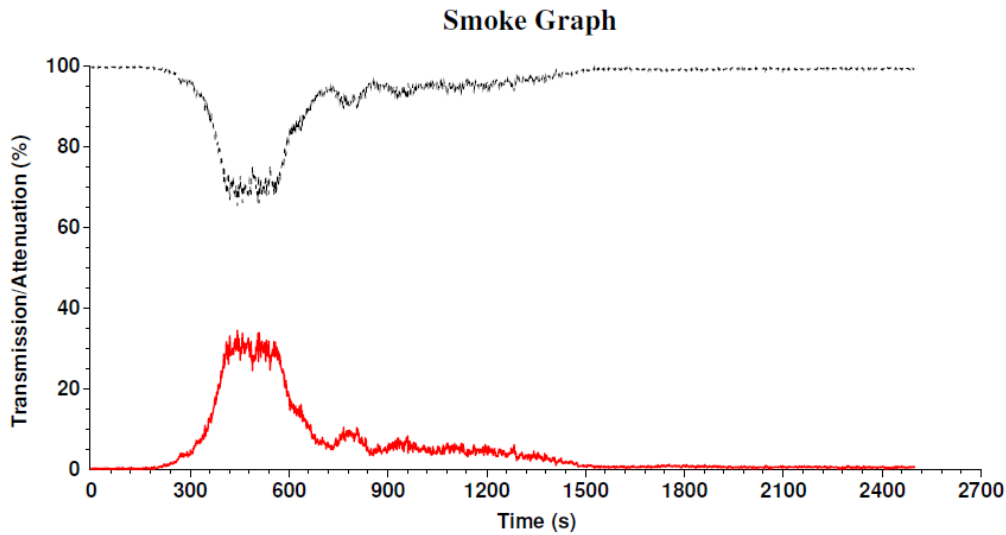
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### Sample 1 Length

### Light Attenuation Over Time and Rake Results

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Test name : LENGTH1  
 File name : C:\FRPSOFT\DATA\23100029.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	251	11.9	2.988	510	-	3.3	-
110	383	11.0	4.227	560	-	2.8	-
160	446	10.3	4.585	610	-	2.3	-
210	526	9.4	4.947	660	-	1.9	-
260	636	8.2	5.215	710	-	1.6	-
310	1010	7.1	7.125	760	-	1.4	-
360	1378	6.0	8.207	810	-	1.2	-
410	2133	4.9	10.533	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-

Accreditation No.2834.

Accredited for compliance with ISO/IEC 17025 - Testing

The results of the test, calibrations and/or measurements included in this document are traceable to Australian/ International Standards.

This report may not be reproduced except in full and shall be rendered void if amended or altered. The results on this report are related only to the items tested.

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### Sample 1 Width

### Test Results

Time to ignition	: 2 minutes 14 seconds (134 s)
Time to flameout	: 43 minutes 01 seconds (2581 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.59
HF-10 (kW/m <sup>2</sup> )	: 8.44
HF-20 (kW/m <sup>2</sup> )	: 6.40
HF-30 (kW/m <sup>2</sup> )	: 5.35
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 38.6
Time to peak light attenuation	: 8 minutes 13 seconds (493 s)
Total integrated smoke (%.min)	: 208.86

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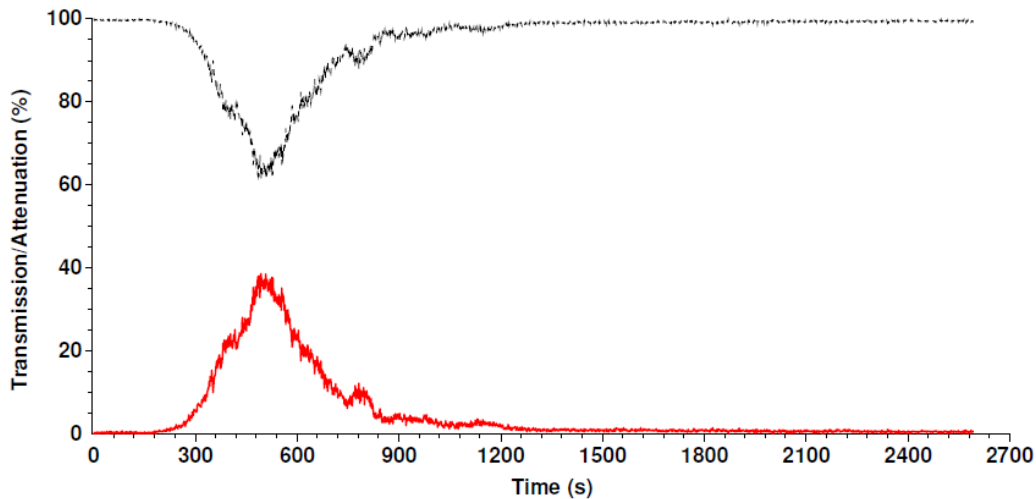
### Sample 1 Width

### Light Attenuation Over Time and Rake Results

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### Smoke Graph



Test name : WIDTH1  
 File name : C:\FRPSOFT\DATA\23100030.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	276	11.9	3.286	510	-	3.3	-
110	359	11.0	3.962	560	-	2.8	-
160	444	10.3	4.565	610	-	2.3	-
210	552	9.4	5.192	660	-	1.9	-
260	654	8.2	5.362	710	-	1.6	-
310	918	7.1	6.476	760	-	1.4	-
360	1355	6.0	8.070	810	-	1.2	-
410	1977	4.9	9.762	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-

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### Sample 2 Length

#### Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 33 minutes 15 seconds (1995 s)
Extent of burning (mm)	: 390
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 5.35
HF-10 (kW/m <sup>2</sup> )	: 8.20
HF-20 (kW/m <sup>2</sup> )	: 6.18
HF-30 (kW/m <sup>2</sup> )	: 5.35
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 36.43
Time to peak light attenuation	: 8 minutes 29 seconds (509 s)
Total integrated smoke (%.min)	: 222.1

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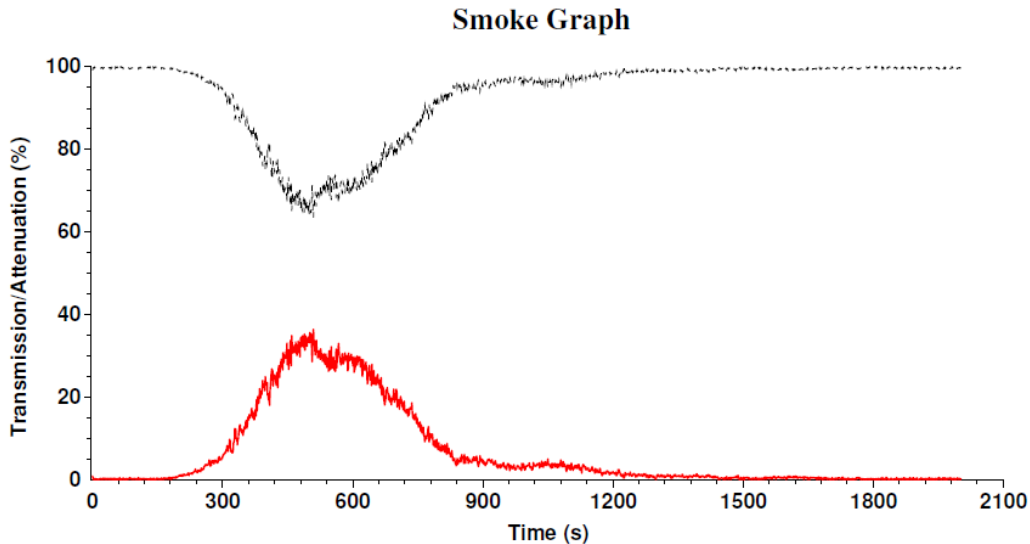
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**Sample 2 Length**  
**Light Attenuation Over Time and Rake Results**

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Test name : LENGTH2  
 File name : C:\FRPSOFT\DATA\23100031.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	11.9	3.107	510	-	3.3	-
110	352	11.0	3.885	560	-	2.8	-
160	432	10.3	4.441	610	-	2.3	-
210	510	9.4	4.797	660	-	1.9	-
260	588	8.2	4.821	710	-	1.6	-
310	862	7.1	6.081	760	-	1.4	-
360	1243	6.0	7.403	810	-	1.2	-
410	-	4.9	-	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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### Sample 3 Length

#### Test Results

Time to ignition	: 2 minutes 17 seconds (137 s)
Time to flameout	: 41 minutes 47 seconds (2507 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.59
HF-10 (kW/m <sup>2</sup> )	: 9.76
HF-20 (kW/m <sup>2</sup> )	: 6.18
HF-30 (kW/m <sup>2</sup> )	: 4.94
Flame spread at 10 minutes (mm)	: 190
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 28.58
Time to peak light attenuation	: 8 minutes 13 seconds (493 s)
Total integrated smoke (%.min)	: 242.01





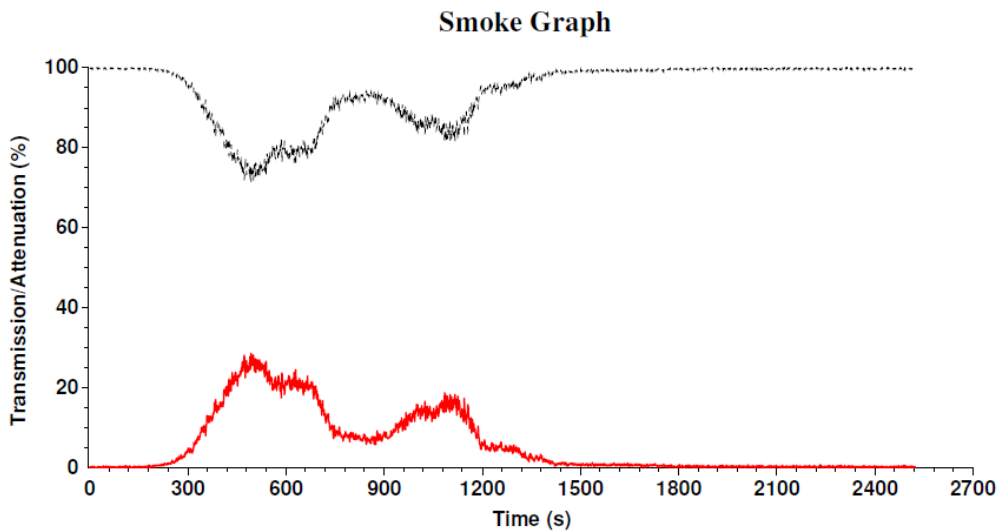
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**Sample 3 Length**  
**Light Attenuation Over Time and Rake Results**

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Test name : LENGTH3  
 File name : C:\FRPSOFT\DATA\23100032.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	277	11.9	3.297	510	-	3.3	-
110	407	11.0	4.492	560	-	2.8	-
160	509	10.3	5.233	610	-	2.3	-
210	650	9.4	6.113	660	-	1.9	-
260	845	8.2	6.928	710	-	1.6	-
310	1079	7.1	7.611	760	-	1.4	-
360	1279	6.0	7.618	810	-	1.2	-
410	1802	4.9	8.898	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-

END OF REPORT

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Product Technical Manager

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