



# SYDNEY CARPET LABORATORY

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

34 AIRDS ROAD, MINTO NSW 2566 - TEL: (02) 8706 4600 FAX: (02) 8706 4617

## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

Test Report No: D11-19-058  
Sample Received date: 24/10/2019  
Test Date: 05/11/2019  
Report Date: 05/11/2019

Sample Description: Client Reference: "AERIAL AE311"  
100% Solution Dyed Nylon 6  
543g/m2 on a CushionBacRE Backing

AS ISO 9239.1: 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	3.8	4.0	3.8	3.9	kW/m <sup>2</sup>
Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	205	-	-	-	%.min
Width	238	223	207	222	%.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 48 hours prior to testing.

Each Specimen was adhered to a substrate of 9mm thick fibre cement board using Intertac adhesive.



## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

Test Report No: D11-19-058  
Sample Received date: 24/10/2019  
Test Date: 05/11/2019  
Report Date: 05/11/2019

### Sample 1 Length

### Test Results

Time to ignition	: 2 minutes 43 seconds (163 s)
Time to flameout	: 41 minutes 59 seconds (2519 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 4.49
HF-10 (kW/m <sup>2</sup> )	: 6.78
HF-20 (kW/m <sup>2</sup> )	: 5.42
HF-30 (kW/m <sup>2</sup> )	: 4.49
Flame spread at 10 minutes (mm)	: 330
Flame spread at 20 minutes (mm)	: 400
Flame spread at 30 minutes (mm)	: 450
Peak light attenuation (%)	: 55.36
Time to peak light attenuation	: 4 minutes 57 seconds (297 s)
Total integrated smoke (%.min)	: 204.66



# SYDNEY CARPET LABORATORY

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

34 AIRDS ROAD, MINTO NSW 2566 - TEL: (02) 8706 4600 FAX: (02) 8706 4617

## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

Test Report No: D11-19-058  
Sample Received date: 24/10/2019  
Test Date: 05/11/2019  
Report Date: 05/11/2019

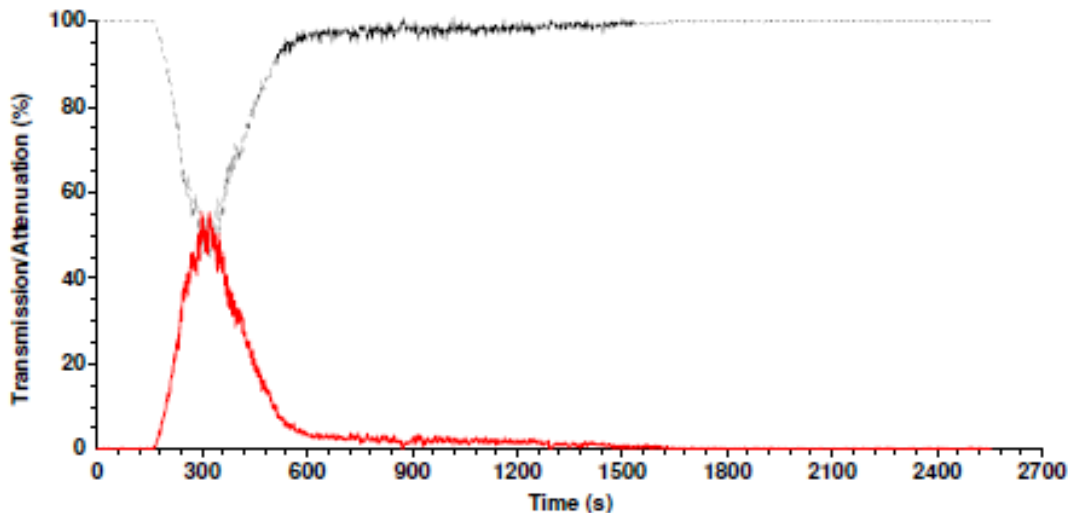
### Sample 1 Length

### Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

page 3

#### Smoke Graph



Test name : LENGTH1  
File name : C:\FRPSOFT\DATA\19110001.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	189	12.3	2.326	510	-	3.5	-
110	227	11.3	2.571	560	-	2.9	-
160	260	10.5	2.719	610	-	2.4	-
210	310	9.5	2.934	660	-	2.0	-
260	350	8.3	2.903	710	-	1.7	-
310	497	7.2	3.571	760	-	1.5	-
360	824	6.2	5.084	810	-	1.3	-
410	1275	5.2	6.675	860	-	1.1	-
460	-	4.3	-	910	-	1.0	-



## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

Test Report No: D11-19-058  
Sample Received date: 24/10/2019  
Test Date: 05/11/2019  
Report Date: 05/11/2019

### Sample 1 Width

### Test Results

Time to ignition	: 2 minutes 21 seconds (141 s)
Time to flameout	: 49 minutes 16 seconds (2956 s)
Extent of burning (mm)	: 490
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.82
HF-10 (kW/m <sup>2</sup> )	: 7.19
HF-20 (kW/m <sup>2</sup> )	: 5.61
HF-30 (kW/m <sup>2</sup> )	: 4.67
Flame spread at 10 minutes (mm)	: 310
Flame spread at 20 minutes (mm)	: 390
Flame spread at 30 minutes (mm)	: 440
Peak light attenuation (%)	: 52.71
Time to peak light attenuation	: 5 minutes 08 seconds (308 s)
Total integrated smoke (%.min)	: 238.1



# SYDNEY CARPET LABORATORY

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

34 AIRDS ROAD, MINTO NSW 2566 - TEL: (02) 8706 4600 FAX: (02) 8706 4617

## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

Test Report No: D11-19-058  
Sample Received date: 24/10/2019  
Test Date: 05/11/2019  
Report Date: 05/11/2019

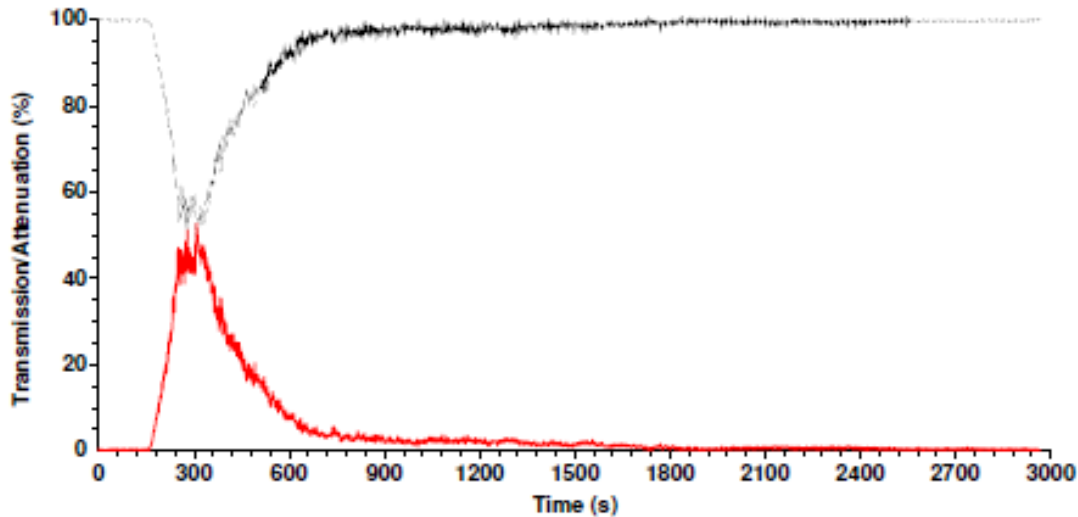
### Sample 1 Width

### Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

page 3

#### Smoke Graph



Test name : WIDTH1  
File name : C:\FRPSOFT\DATA\19110002.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	12.3	2.129	510	-	3.5	-
110	201	11.3	2.277	560	-	2.9	-
160	272	10.5	2.844	610	-	2.4	-
210	325	9.5	3.076	660	-	2.0	-
260	366	8.3	3.036	710	-	1.7	-
310	593	7.2	4.261	760	-	1.5	-
360	978	6.2	6.034	810	-	1.3	-
410	1434	5.2	7.507	860	-	1.1	-
460	2173	4.3	9.340	910	-	1.0	-



## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

Test Report No: D11-19-058  
Sample Received date: 24/10/2019  
Test Date: 05/11/2019  
Report Date: 05/11/2019

### Sample 2 Width

### Test Results

Time to ignition	: 2 minutes 27 seconds (147 s)
Time to flameout	: 40 minutes 19 seconds (2419 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.98
HF-10 (kW/m <sup>2</sup> )	: 6.58
HF-20 (kW/m <sup>2</sup> )	: 5.05
HF-30 (kW/m <sup>2</sup> )	: 4.30
Flame spread at 10 minutes (mm)	: 340
Flame spread at 20 minutes (mm)	: 420
Flame spread at 30 minutes (mm)	: 460
Peak light attenuation (%)	: 54.62
Time to peak light attenuation	: 5 minutes 05 seconds (305 s)
Total integrated smoke (%.min)	: 222.57



# SYDNEY CARPET LABORATORY

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

34 AIRDS ROAD, MINTO NSW 2566 - TEL: (02) 8706 4600 FAX: (02) 8706 4617

## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

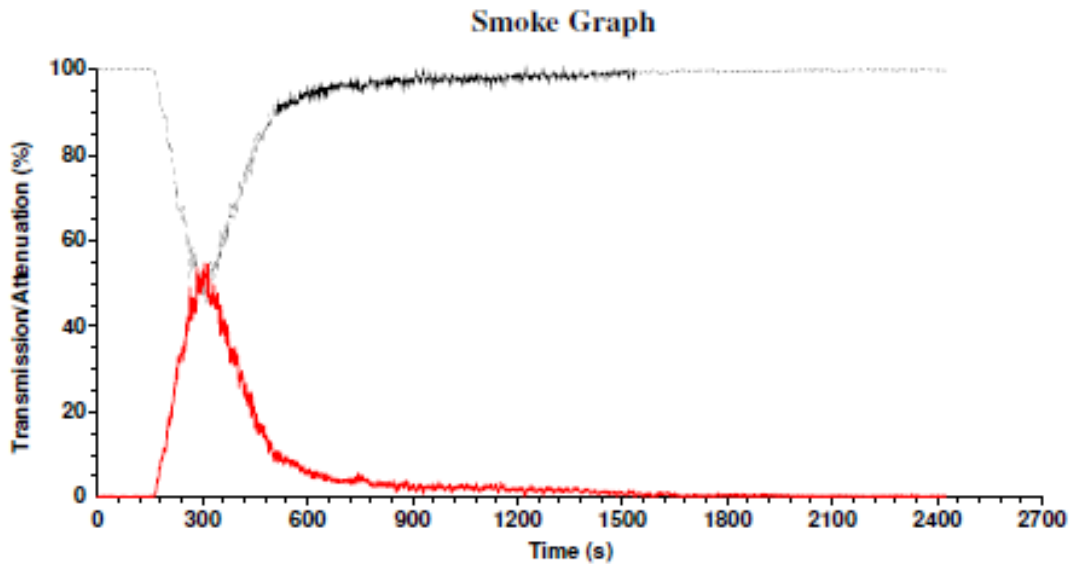
Test Report No: D11-19-058  
Sample Received date: 24/10/2019  
Test Date: 05/11/2019  
Report Date: 05/11/2019

### Sample 2 Width

### Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

page 3



Test name : WIDTH2  
File name : C:\FRPSOFT\DATA\19110003.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	163	12.3	2.006	510	-	3.5	-
110	213	11.3	2.413	560	-	2.9	-
160	298	10.5	3.116	610	-	2.4	-
210	310	9.5	2.934	660	-	2.0	-
260	329	8.3	2.729	710	-	1.7	-
310	476	7.2	3.420	760	-	1.5	-
360	734	6.2	4.529	810	-	1.3	-
410	1163	5.2	6.088	860	-	1.1	-
460	1756	4.3	7.547	910	-	1.0	-



## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

Test Report No: D11-19-058  
Sample Received date: 24/10/2019  
Test Date: 05/11/2019  
Report Date: 05/11/2019

### Sample 3 Width

#### Test Results

Time to ignition	: 2 minutes 30 seconds (150 s)
Time to flameout	: 40 minutes 52 seconds (2452 s)
Extent of burning (mm)	: 490
Critical flux at extinguishment (kW/m <sup>2</sup> )	: 3.82
HF-10 (kW/m <sup>2</sup> )	: 6.98
HF-20 (kW/m <sup>2</sup> )	: 5.61
HF-30 (kW/m <sup>2</sup> )	: 4.30
Flame spread at 10 minutes (mm)	: 320
Flame spread at 20 minutes (mm)	: 390
Flame spread at 30 minutes (mm)	: 460
Peak light attenuation (%)	: 50.73
Time to peak light attenuation	: 5 minutes 24 seconds (324 s)
Total integrated smoke (%.min)	: 206.61





# SYDNEY CARPET LABORATORY

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

34 AIRDS ROAD, MINTO NSW 2566 - TEL: (02) 8706 4600 FAX: (02) 8706 4617

## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

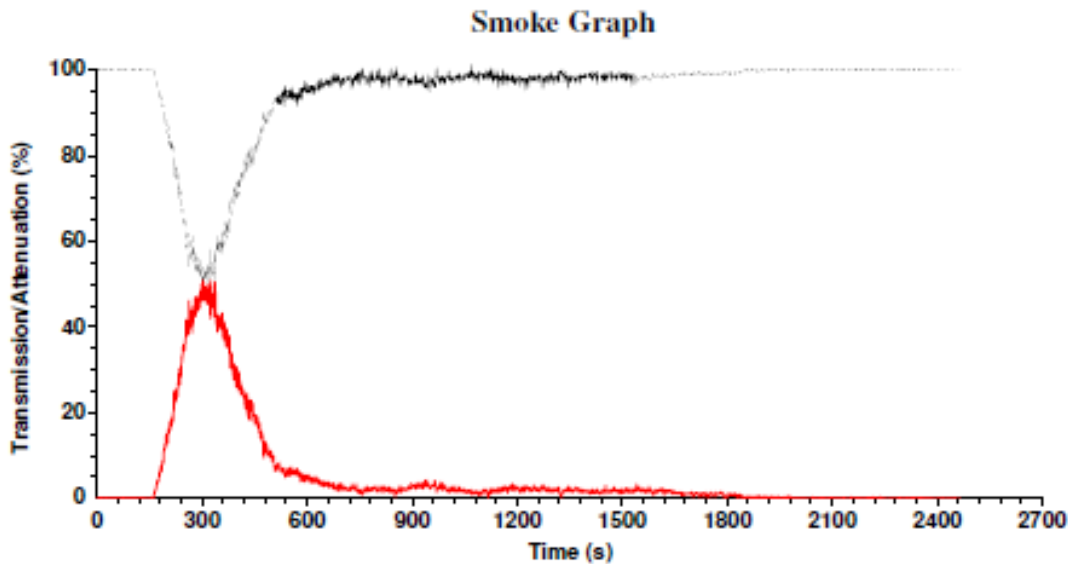
Test Report No: D11-19-058  
Sample Received date: 24/10/2019  
Test Date: 05/11/2019  
Report Date: 05/11/2019

### Sample 3 Width

### Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

page 3



Test name : WIDTH3  
File name : C:\FRPSOFT\DATA\19110004.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	187	12.3	2.302	510	-	3.5	-
110	201	11.3	2.277	560	-	2.9	-
160	249	10.5	2.604	610	-	2.4	-
210	307	9.5	2.906	660	-	2.0	-
260	346	8.3	2.870	710	-	1.7	-
310	566	7.2	4.067	760	-	1.5	-
360	922	6.2	5.689	810	-	1.3	-
410	1365	5.2	7.146	860	-	1.1	-
460	1806	4.3	7.762	910	-	1.0	-

END OF REPORT