



TEST REPORT

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

Test Report No: R22-049A
Sample Received Date: 7/02/2022
Test Date: 23/02/2022
Report Date: 25/03/2022

Sample Description: Client Reference: "TRUE DIMENSIONS 16Oz"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
542g/m² 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	8.7	-	-	-	kW/m ²
Width	4.8	8.4	4.4	5.9	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	111	-	-	-	%.min
Width	148	118	178	148	%.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 18 seconds (138 s)
Time to flameout	: 13 minutes 32 seconds (812 s)
Extent of burning (mm)	: 250
Critical flux at extinguishment (kW/m ²)	: 8.66
HF-10 (kW/m ²)	: 8.66
HF-20 (kW/m ²)	: Not calculated (test duration < 20 minutes)
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: Not measured
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 46.55
Time to peak light attenuation	: 4 minutes 47 seconds (287 s)
Total integrated smoke (%.min)	: 111.15



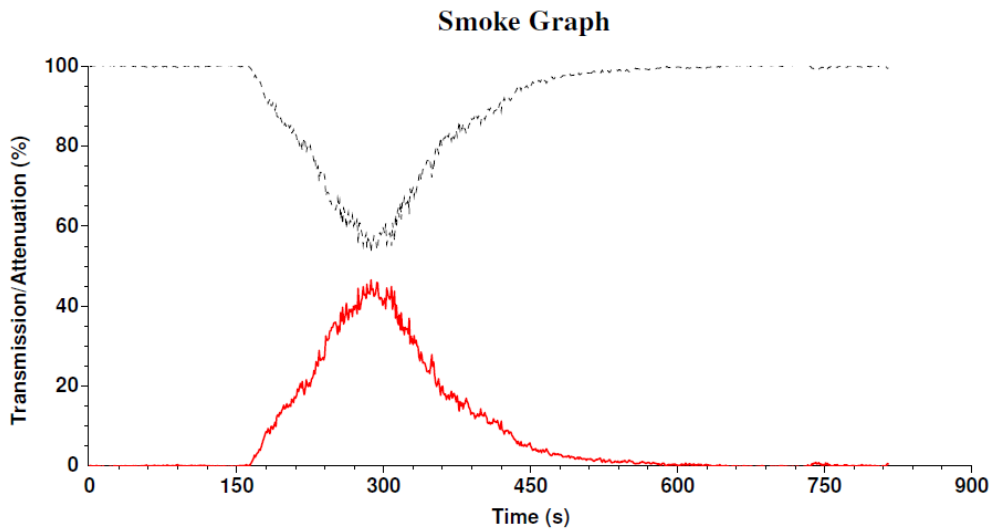
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\22020025.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)	Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)
60	170	11.9	2.026	510	-	3.3	-
110	219	11.1	2.430	560	-	2.7	-
160	260	10.4	2.700	610	-	2.3	-
210	295	9.6	2.818	660	-	1.9	-
260	-	8.4	-	710	-	1.7	-
310	-	7.4	-	760	-	1.4	-
360	-	6.1	-	810	-	1.2	-
410	-	5.0	-	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 26 seconds (146 s)
Time to flameout	: 38 minutes 40 seconds (2320 s)
Extent of burning (mm)	: 420
Critical flux at extinguishment (kW/m ²)	: 4.79
HF-10 (kW/m ²)	: 9.72
HF-20 (kW/m ²)	: 7.38
HF-30 (kW/m ²)	: 5.43
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: 310
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 24.51
Time to peak light attenuation	: 5 minutes 55 seconds (355 s)
Total integrated smoke (%.min)	: 147.88



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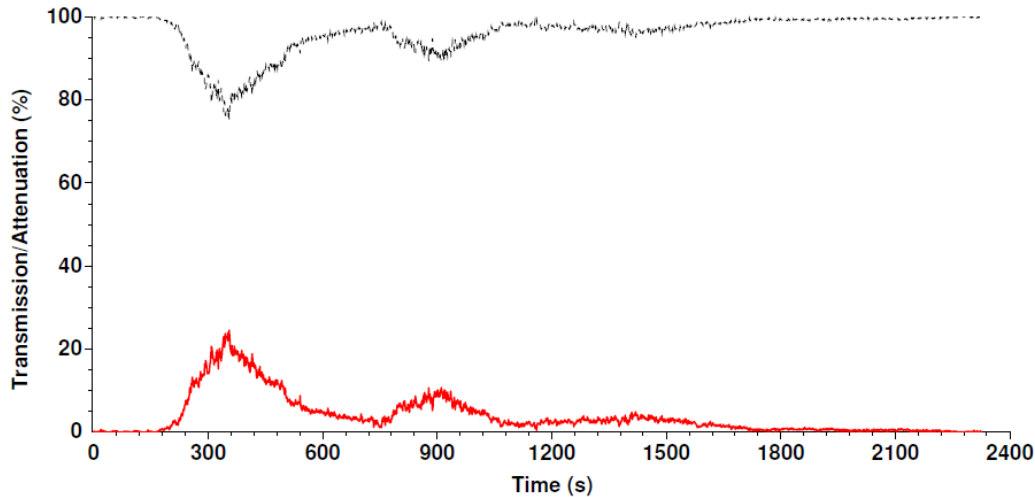
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\22020026.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)	Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)
60	235	11.9	2.800	510	-	3.3	-
110	323	11.1	3.584	560	-	2.7	-
160	431	10.4	4.476	610	-	2.3	-
210	672	9.6	6.420	660	-	1.9	-
260	964	8.4	8.132	710	-	1.7	-
310	1173	7.4	8.656	760	-	1.4	-
360	1510	6.1	9.261	810	-	1.2	-
410	2124	5.0	10.550	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 17 seconds (137 s)
Time to flameout	: 19 minutes (1140 s)
Extent of burning (mm)	: 260
Critical flux at extinguishment (kW/m ²)	: 8.44
HF-10 (kW/m ²)	: 9.72
HF-20 (kW/m ²)	: Not calculated (test duration < 20 minutes)
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: Not measured
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 23.24
Time to peak light attenuation	: 6 minutes 37 seconds (397 s)
Total integrated smoke (%.min)	: 117.55



SYDNEY CARPET LABORATORY

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

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

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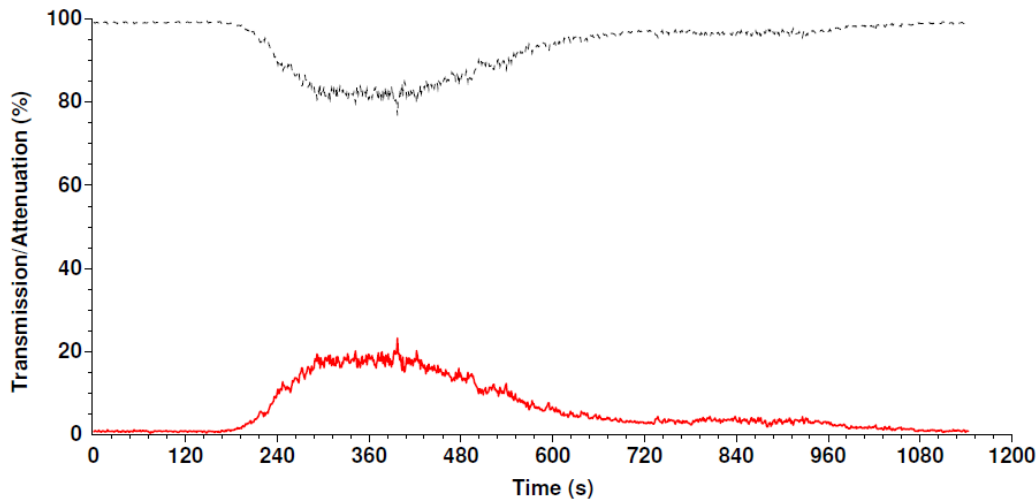
Sample 2 Width

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Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\22020027.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)	Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)
60	206	11.9	2.454	510	-	3.3	-
110	330	11.1	3.661	560	-	2.7	-
160	439	10.4	4.559	610	-	2.3	-
210	658	9.6	6.286	660	-	1.9	-
260	1003	8.4	8.461	710	-	1.7	-
310	-	7.4	-	760	-	1.4	-
360	-	6.1	-	810	-	1.2	-
410	-	5.0	-	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-



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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 26 seconds (146 s)
Time to flameout	: 50 minutes 03 seconds (3003 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m ²)	: 4.43
HF-10 (kW/m ²)	: 9.33
HF-20 (kW/m ²)	: 7.59
HF-30 (kW/m ²)	: 5.43
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 300
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 30.48
Time to peak light attenuation	: 5 minutes 22 seconds (322 s)
Total integrated smoke (%.min)	: 178.05



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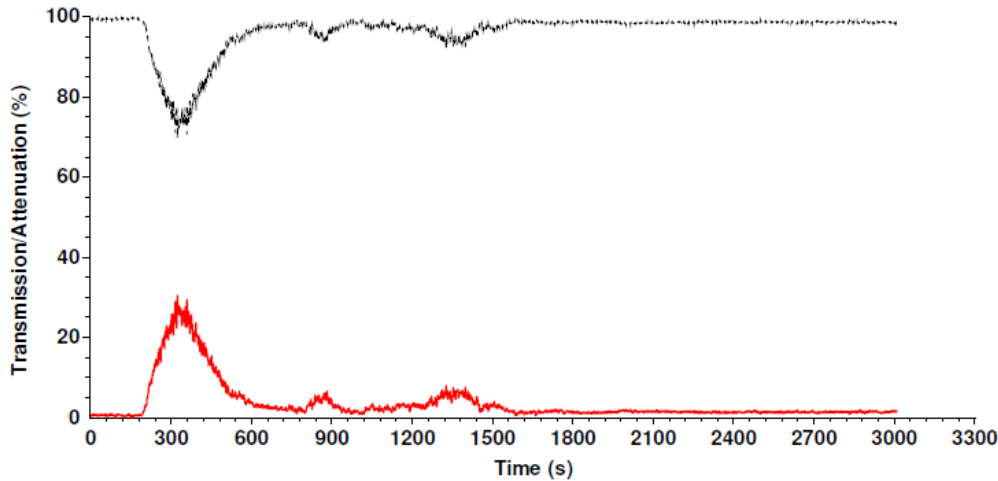
Sample 3 Width

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Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\22020028.CSV

Rake Results

Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)	Position (mm)	Time (s)	Flux (kW/m ²)	Qsb (MJ/m ²)
60	186	11.9	2.216	510	-	3.3	-
110	280	11.1	3.107	560	-	2.7	-
160	361	10.4	3.749	610	-	2.3	-
210	498	9.6	4.757	660	-	1.9	-
260	845	8.4	7.128	710	-	1.7	-
310	1234	7.4	9.106	760	-	1.4	-
360	1491	6.1	9.144	810	-	1.2	-
410	1971	5.0	9.790	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-

END OF REPORT