



TEST REPORT

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

Test Report No: R20-237A
Sample Received date: 16/10/2020
Test Date: 08/12/2020
Report Date: 21/12/2020

Sample Description: Client Reference: "WORKS FACET"
100% Solution Dyed Nylon 6
471g/m² on a Glasbac 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	3.5	3.7	3.3	3.5	kW/m ²
Width	3.5	-	-	-	kW/m ²
Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	181	147	178	169	%.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 48 hours prior to testing.

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



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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 17 seconds (137 s)
Time to flameout	: 43 minutes 54 seconds (2634 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.53
HF-10 (kW/m ²)	: 9.05
HF-20 (kW/m ²)	: 6.40
HF-30 (kW/m ²)	: 4.44
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 450
Peak light attenuation (%)	: 33.45
Time to peak light attenuation	: 6 minutes 30 seconds (390 s)
Total integrated smoke (%.min)	: 181.29



SYDNEY CARPET LABORATORY

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

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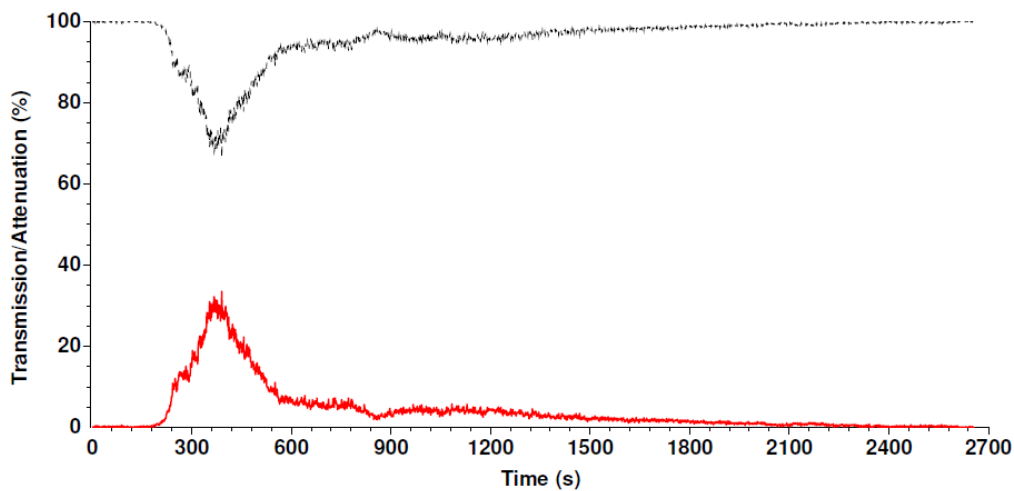
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\20120009.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	241	11.6	2.801	510	2380	3.5	8.411
110	326	10.8	3.520	560	-	2.9	-
160	398	10.1	4.014	610	-	2.5	-
210	561	9.3	5.190	660	-	2.1	-
260	810	8.2	6.678	710	-	1.8	-
310	1022	7.3	7.457	760	-	1.5	-
360	1273	6.2	7.863	810	-	1.3	-
410	1471	5.1	7.558	860	-	1.2	-
460	1891	4.3	8.067	910	-	1.0	-



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 48 minutes (2880 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.53
HF-10 (kW/m ²)	: 9.25
HF-20 (kW/m ²)	: 6.62
HF-30 (kW/m ²)	: 4.79
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 430
Peak light attenuation (%)	: 24.6
Time to peak light attenuation	: 5 minutes 40 seconds (340 s)
Total integrated smoke (%.min)	: 164.13



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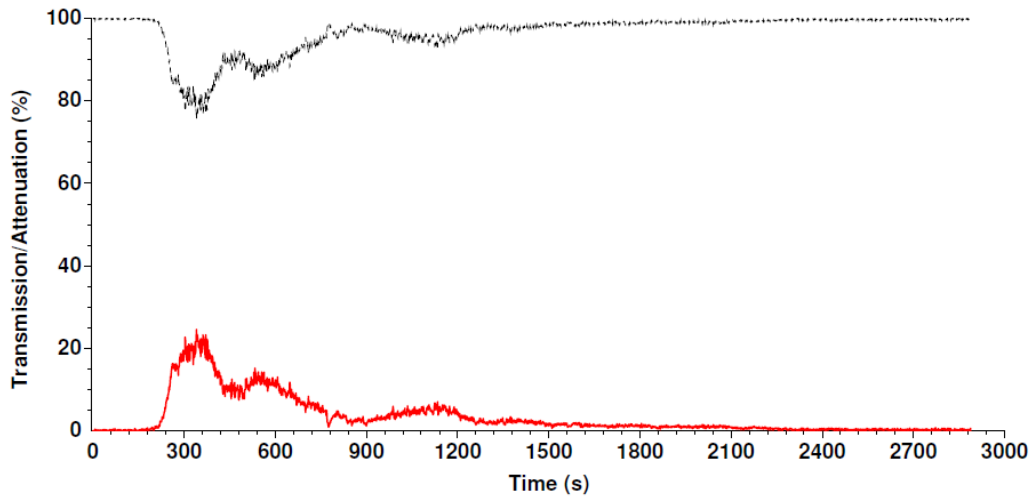
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
File name : C:\FRPSOFT\DATA\20120010.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	239	11.6	2.778	510	2645	3.5	9.347
110	301	10.8	3.250	560	-	2.9	-
160	430	10.1	4.337	610	-	2.5	-
210	568	9.3	5.255	660	-	2.1	-
260	792	8.2	6.529	710	-	1.8	-
310	1016	7.3	7.413	760	-	1.5	-
360	1322	6.2	8.166	810	-	1.3	-
410	1635	5.1	8.401	860	-	1.2	-
460	1933	4.3	8.246	910	-	1.0	-



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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 12 seconds (132 s)
Time to flameout	: 46 minutes 27 seconds (2787 s)
Extent of burning (mm)	: 500
Critical flux at extinguishment (kW/m ²)	: 3.68
HF-10 (kW/m ²)	: 9.42
HF-20 (kW/m ²)	: 6.62
HF-30 (kW/m ²)	: 4.61
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 440
Peak light attenuation (%)	: 27.64
Time to peak light attenuation	: 6 minutes 09 seconds (369 s)
Total integrated smoke (%.min)	: 147.09



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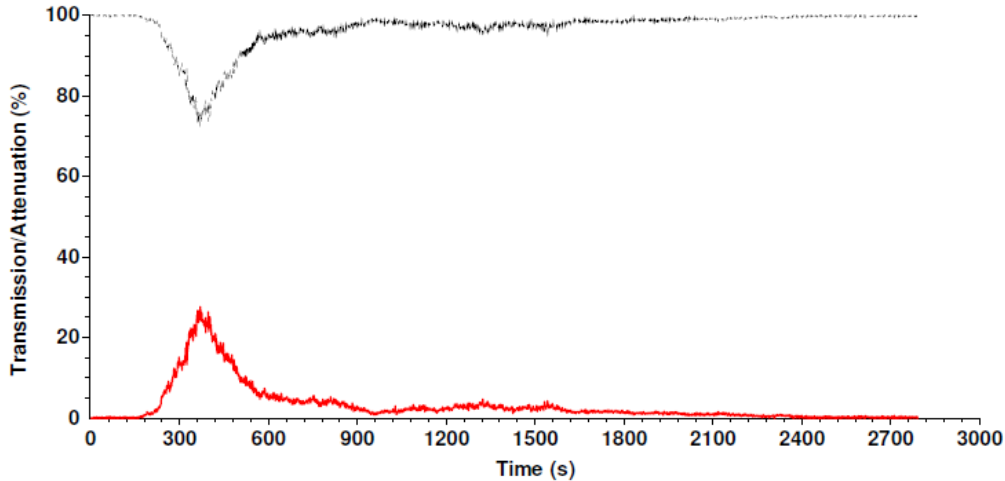
Sample 2 Length

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Smoke Graph



Test name : LENGTH2
File name : C:\FRPSOFT\DATA\20120011.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	249	11.6	2.894	510	-	3.5	-
110	348	10.8	3.758	560	-	2.9	-
160	401	10.1	4.044	610	-	2.5	-
210	644	9.3	5.958	660	-	2.1	-
260	861	8.2	7.098	710	-	1.8	-
310	1067	7.3	7.785	760	-	1.5	-
360	1343	6.2	8.296	810	-	1.3	-
410	1763	5.1	9.058	860	-	1.2	-
460	1955	4.3	8.340	910	-	1.0	-



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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 50 minutes 53 seconds (3053 s)
Extent of burning (mm)	: 530
Critical flux at extinguishment (kW/m ²)	: 3.30
HF-10 (kW/m ²)	: 8.85
HF-20 (kW/m ²)	: 5.76
HF-30 (kW/m ²)	: 4.27
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 380
Flame spread at 30 minutes (mm)	: 460
Peak light attenuation (%)	: 34.89
Time to peak light attenuation	: 6 minutes 36 seconds (396 s)
Total integrated smoke (%.min)	: 177.73



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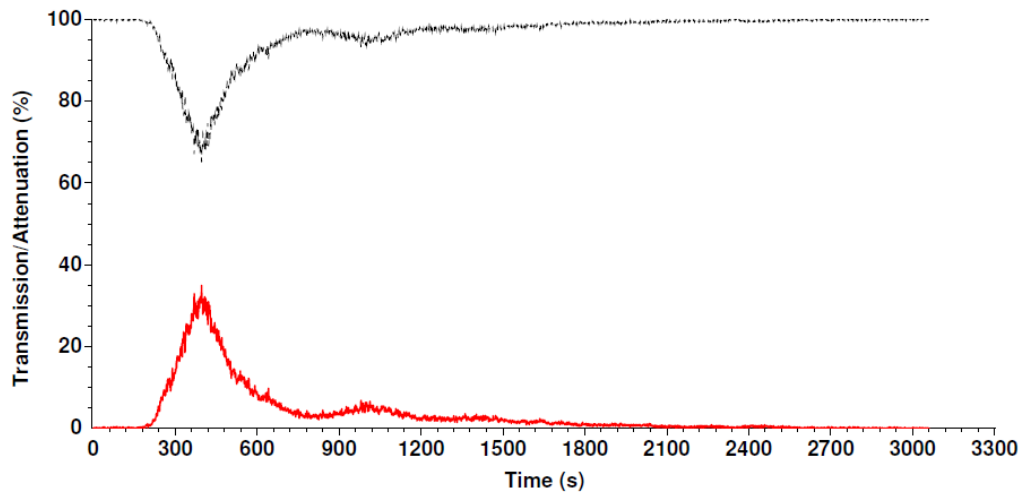
Sample 3 Length

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Smoke Graph



Test name : LENGTH3
File name : C:\FRPSOFT\DATA\20120012.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	279	11.6	3.243	510	2400	3.5	8.482
110	328	10.8	3.542	560	-	2.9	-
160	423	10.1	4.266	610	-	2.5	-
210	520	9.3	4.811	660	-	2.1	-
260	781	8.2	6.439	710	-	1.8	-
310	908	7.3	6.625	760	-	1.5	-
360	1129	6.2	6.974	810	-	1.3	-
410	1441	5.1	7.404	860	-	1.2	-
460	1782	4.3	7.602	910	-	1.0	-

END OF REPORT