



TEST REPORT

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

Test Report No: R21-148
Sample Received Date: 31/05/2021
Test Date: 7/07/2021
Report Date: 7/07/2021

Sample Description: Client Reference: "OPEN AIR 403"
100% Solution Dyed Nylon 6
610g/m² on a Glasbac Backing

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	3.5	-	-	-	kW/m ²
Width	3.0	3.5	3.8	3.5	kW/m ²
Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	168	-	-	-	%.min
Width	175	164	158	165	%.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 Fibre Cement Board using Intertac Adhesive.



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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 19 seconds (139 s)
Time to flameout	: 40 minutes 56 seconds (2456 s)
Extent of burning (mm)	: 500
Critical flux at extinguishment (kW/m ²)	: 3.54
HF-10 (kW/m ²)	: 8.62
HF-20 (kW/m ²)	: 6.07
HF-30 (kW/m ²)	: 3.99
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 470
Peak light attenuation (%)	: 38.85
Time to peak light attenuation	: 5 minutes 51 seconds (351 s)
Total integrated smoke (%.min)	: 168.06



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

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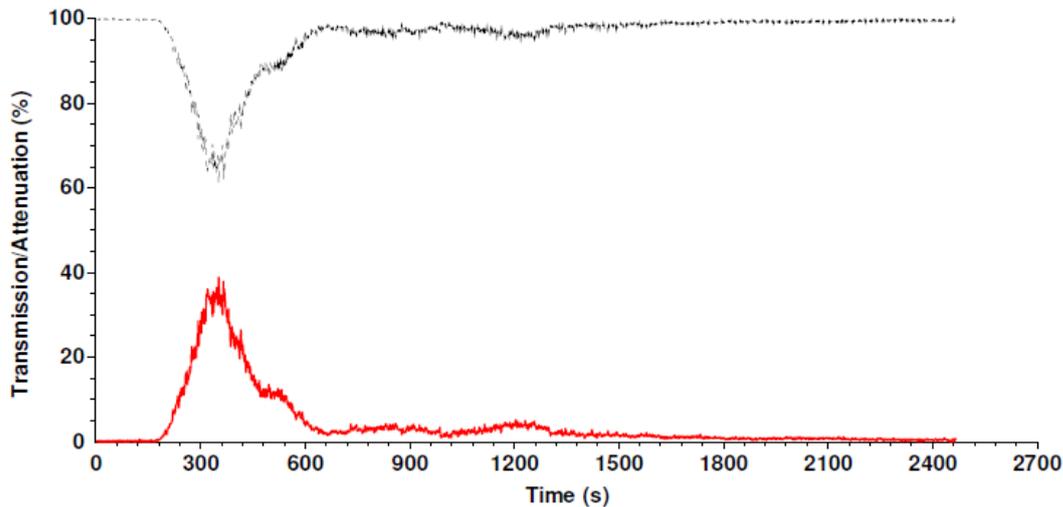
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\21070005.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	12.0	2.819	510	-	3.4	-
110	292	11.2	3.260	560	-	2.8	-
160	333	10.4	3.479	610	-	2.3	-
210	405	9.6	3.891	660	-	2.0	-
260	631	8.4	5.280	710	-	1.7	-
310	870	7.2	6.253	760	-	1.4	-
360	1154	6.1	6.999	810	-	1.2	-
410	1587	5.0	7.972	860	-	1.1	-
460	1728	4.1	7.147	910	-	1.0	-



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 25 seconds (145 s)
Time to flameout	: 46 minutes 32 seconds (2792 s)
Extent of burning (mm)	: 540
Critical flux at extinguishment (kW/m ²)	: 3.03
HF-10 (kW/m ²)	: 8.62
HF-20 (kW/m ²)	: 5.44
HF-30 (kW/m ²)	: 3.99
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 390
Flame spread at 30 minutes (mm)	: 470
Peak light attenuation (%)	: 35.04
Time to peak light attenuation	: 6 minutes 02 seconds (362 s)
Total integrated smoke (%.min)	: 174.7



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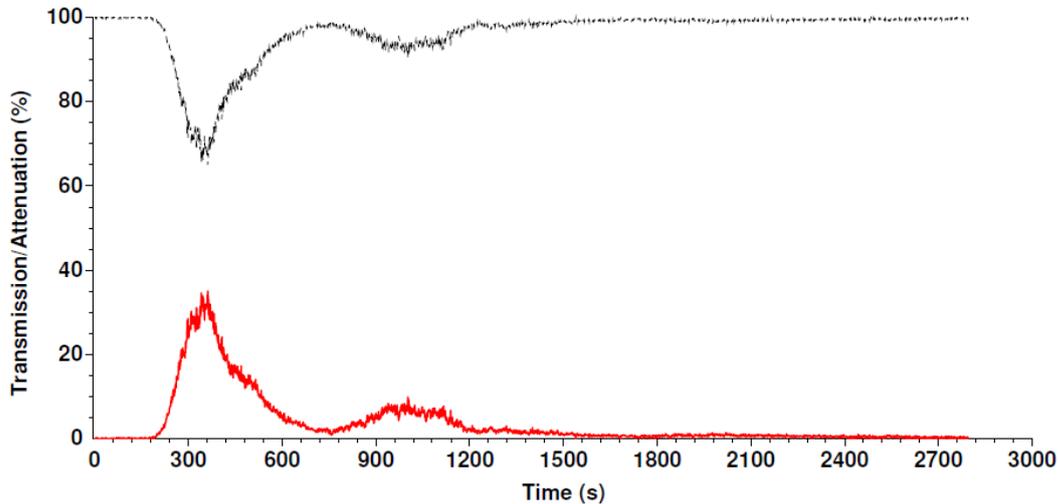
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
File name : C:\FRPSOFT\DATA\21070006.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	197	12.0	2.363	510	2320	3.4	7.862
110	275	11.2	3.071	560	-	2.8	-
160	356	10.4	3.719	610	-	2.3	-
210	465	9.6	4.468	660	-	2.0	-
260	778	8.4	6.510	710	-	1.7	-
310	968	7.2	6.957	760	-	1.4	-
360	1125	6.1	6.823	810	-	1.2	-
410	1309	5.0	6.575	860	-	1.1	-
460	1676	4.1	6.932	910	-	1.0	-



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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 19 seconds (139 s)
Time to flameout	: 43 minutes 18 seconds (2598 s)
Extent of burning (mm)	: 500
Critical flux at extinguishment (kW/m ²)	: 3.54
HF-10 (kW/m ²)	: 8.86
HF-20 (kW/m ²)	: 6.29
HF-30 (kW/m ²)	: 4.31
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 450
Peak light attenuation (%)	: 31.47
Time to peak light attenuation	: 5 minutes 24 seconds (324 s)
Total integrated smoke (%.min)	: 164.01



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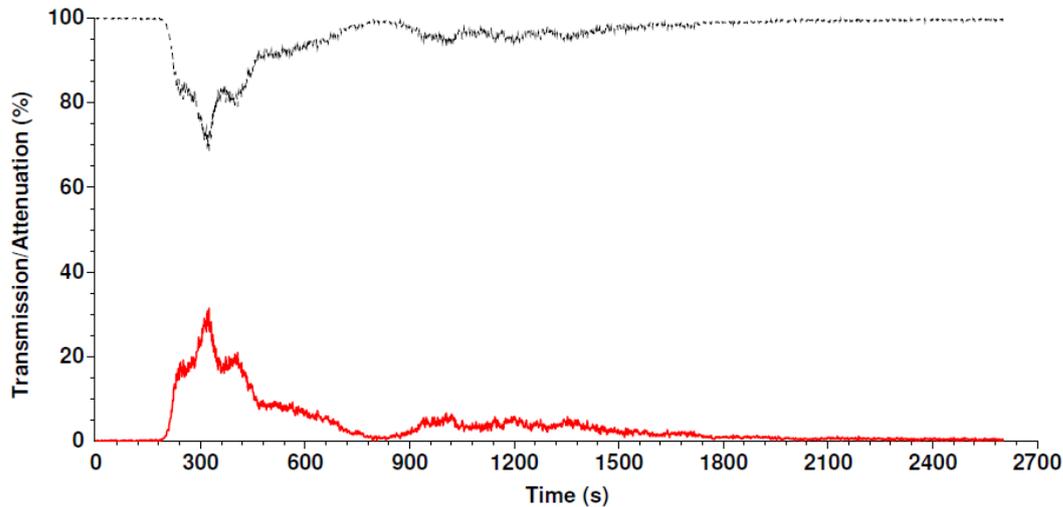
Sample 2 Width

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Smoke Graph



Test name : WIDTH2
File name : C:\FRPSOFT\DATA\21070007.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	190	12.0	2.279	510	-	3.4	-
110	279	11.2	3.115	560	-	2.8	-
160	380	10.4	3.970	610	-	2.3	-
210	479	9.6	4.602	660	-	2.0	-
260	688	8.4	5.756	710	-	1.7	-
310	962	7.2	6.914	760	-	1.4	-
360	1232	6.1	7.472	810	-	1.2	-
410	1533	5.0	7.700	860	-	1.1	-
460	1894	4.1	7.834	910	-	1.0	-



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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 20 seconds (140 s)
Time to flameout	: 46 minutes 13 seconds (2773 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.84
HF-10 (kW/m ²)	: 8.62
HF-20 (kW/m ²)	: 6.51
HF-30 (kW/m ²)	: 4.31
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 450
Peak light attenuation (%)	: 29.99
Time to peak light attenuation	: 5 minutes 48 seconds (348 s)
Total integrated smoke (%.min)	: 157.67



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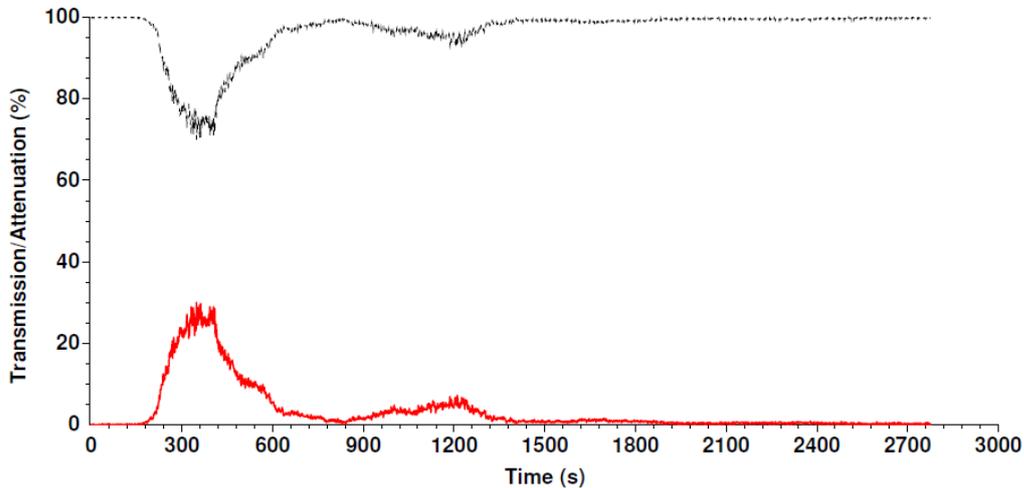
Sample 3 Width

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Smoke Graph



Test name : WIDTH3
File name : C:\FRPSOFT\DATA\21070008.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	203	12.0	2.435	510	-	3.4	-
110	277	11.2	3.093	560	-	2.8	-
160	353	10.4	3.688	610	-	2.3	-
210	492	9.6	4.727	660	-	2.0	-
260	777	8.4	6.501	710	-	1.7	-
310	999	7.2	7.180	760	-	1.4	-
360	1331	6.1	8.073	810	-	1.2	-
410	1590	5.0	7.987	860	-	1.1	-
460	2127	4.1	8.797	910	-	1.0	-

END OF REPORT