



TEST REPORT

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

Test Report No: R20-097
Sample Received date: 02/03/2020
Test Date: 26/05/2020
Report Date: 27/05/2020

Sample Description: Client Reference: "CHROMABASE"
100% Solution Dyed Nylon 6
644g/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	3.2	3.6	3.5	3.4	kW/m ²
Width	3.5	-	-	-	kW/m ²
Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	184	215	204	201	%.min
Width	181	-	-	-	%.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 24 seconds (144 s)
Time to flameout	: 49 minutes 19 seconds (2959 s)
Extent of burning (mm)	: 530
Critical flux at extinguishment (kW/m ²)	: 3.23
HF-10 (kW/m ²)	: 7.97
HF-20 (kW/m ²)	: 5.10
HF-30 (kW/m ²)	: 3.97
Flame spread at 10 minutes (mm)	: 280
Flame spread at 20 minutes (mm)	: 400
Flame spread at 30 minutes (mm)	: 470
Peak light attenuation (%)	: 45.13
Time to peak light attenuation	: 4 minutes 58 seconds (298 s)
Total integrated smoke (%.min)	: 183.58



SYDNEY CARPET LABORATORY

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

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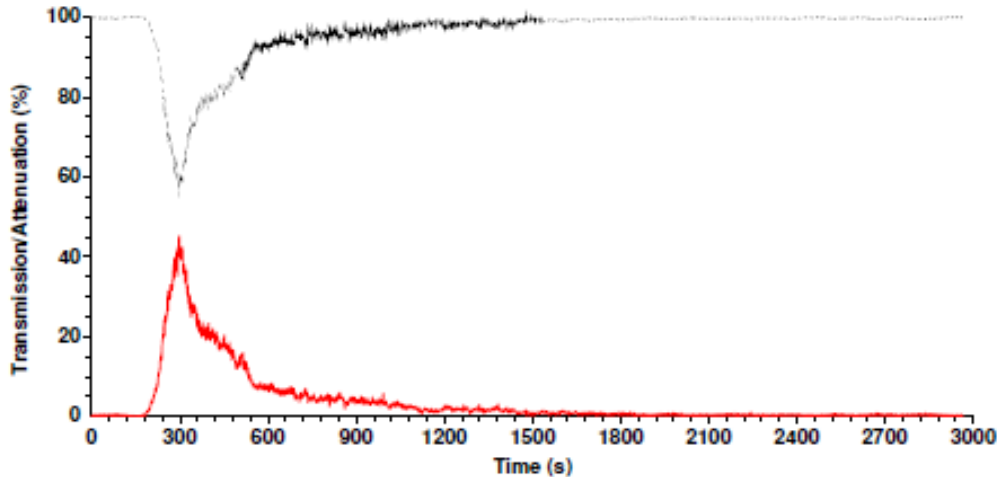
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\20050023.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	156	12.3	1.918	510	2227	3.5	7.719
110	227	11.3	2.576	560	-	2.9	-
160	280	10.5	2.943	610	-	2.4	-
210	383	9.6	3.660	660	-	2.0	-
260	539	8.4	4.530	710	-	1.7	-
310	740	7.3	5.412	760	-	1.5	-
360	916	6.0	5.542	810	-	1.3	-
410	1248	4.9	6.074	860	-	1.1	-
460	1651	4.1	6.764	910	-	1.0	-



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 29 seconds (149 s)
Time to flameout	: 41 minutes 09 seconds (2469 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.47
HF-10 (kW/m ²)	: 7.75
HF-20 (kW/m ²)	: 4.87
HF-30 (kW/m ²)	: 3.97
Flame spread at 10 minutes (mm)	: 290
Flame spread at 20 minutes (mm)	: 410
Flame spread at 30 minutes (mm)	: 470
Peak light attenuation (%)	: 51.34
Time to peak light attenuation	: 4 minutes 53 seconds (293 s)
Total integrated smoke (%.min)	: 181.37



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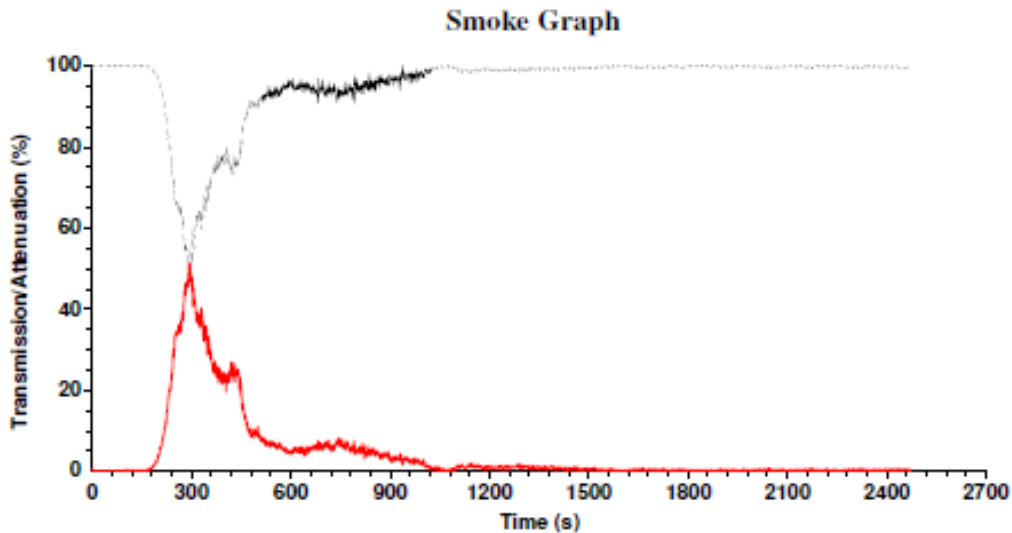
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Sample 1 Width

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Test name : WIDTH1
File name : C:\FRPSOFT\DATA\20050024.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	174	12.3	2.139	510	2316	3.5	8.027
110	206	11.3	2.338	560	-	2.9	-
160	267	10.5	2.807	610	-	2.4	-
210	329	9.6	3.144	660	-	2.0	-
260	485	8.4	4.076	710	-	1.7	-
310	646	7.3	4.724	760	-	1.5	-
360	893	6.0	5.403	810	-	1.3	-
410	1216	4.9	5.918	860	-	1.1	-
460	1587	4.1	6.502	910	-	1.0	-



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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 28 seconds (148 s)
Time to flameout	: 45 minutes 17 seconds (2717 s)
Extent of burning (mm)	: 500
Critical flux at extinguishment (kW/m ²)	: 3.59
HF-10 (kW/m ²)	: 7.75
HF-20 (kW/m ²)	: 4.56
HF-30 (kW/m ²)	: 3.72
Flame spread at 10 minutes (mm)	: 290
Flame spread at 20 minutes (mm)	: 430
Flame spread at 30 minutes (mm)	: 490
Peak light attenuation (%)	: 46.93
Time to peak light attenuation	: 4 minutes 56 seconds (296 s)
Total integrated smoke (%.min)	: 215.24



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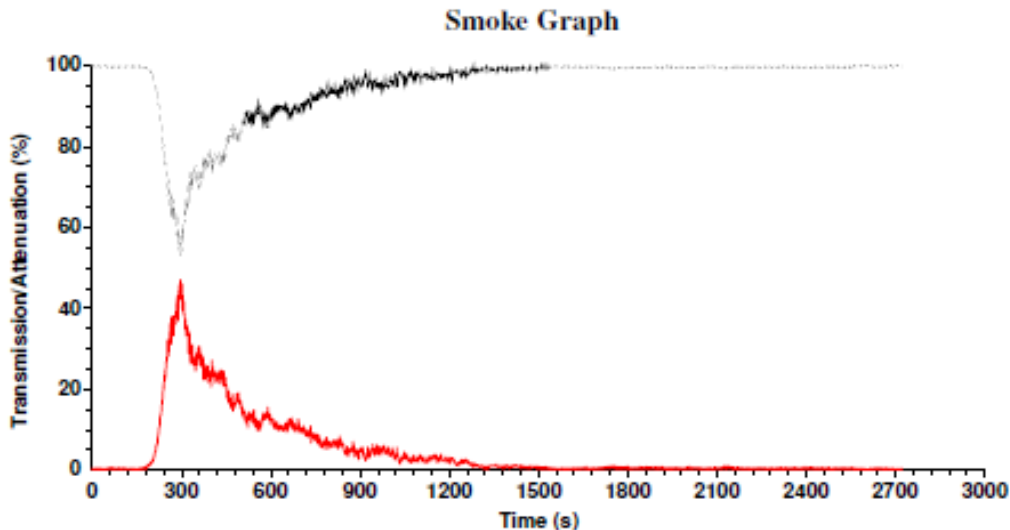
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Sample 2 Length

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Test name : LENGTH2
File name : C:\FRPSOFT\DATA\20050025.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	166	12.3	2.041	510	-	3.5	-
110	237	11.3	2.689	560	-	2.9	-
160	313	10.5	3.290	610	-	2.4	-
210	377	9.6	3.602	660	-	2.0	-
260	504	8.4	4.236	710	-	1.7	-
310	671	7.3	4.907	760	-	1.5	-
360	901	6.0	5.451	810	-	1.3	-
410	1120	4.9	5.451	860	-	1.1	-
460	1439	4.1	5.896	910	-	1.0	-



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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 24 seconds (144 s)
Time to flameout	: 47 minutes 13 seconds (2833 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.47
HF-10 (kW/m ²)	: 7.97
HF-20 (kW/m ²)	: 4.71
HF-30 (kW/m ²)	: 3.97
Flame spread at 10 minutes (mm)	: 280
Flame spread at 20 minutes (mm)	: 420
Flame spread at 30 minutes (mm)	: 470
Peak light attenuation (%)	: 50.02
Time to peak light attenuation	: 4 minutes 42 seconds (282 s)
Total integrated smoke (%.min)	: 203.77



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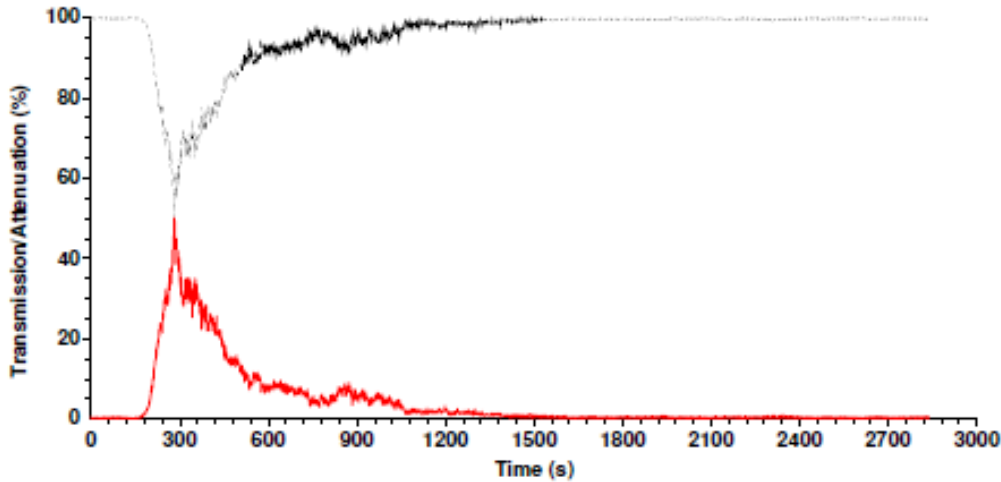
Sample 3 Length

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Smoke Graph



Test name : LENGTH3
File name : C:\FRPSOFT\DATA\20050026.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	161	12.3	1.979	510	2735	3.5	9.480
110	234	11.3	2.655	560	-	2.9	-
160	296	10.5	3.112	610	-	2.4	-
210	374	9.6	3.574	660	-	2.0	-
260	492	8.4	4.135	710	-	1.7	-
310	752	7.3	5.499	760	-	1.5	-
360	917	6.0	5.548	810	-	1.3	-
410	1132	4.9	5.509	860	-	1.1	-
460	1622	4.1	6.645	910	-	1.0	-

END OF REPORT