



TEST REPORT

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

Test Report No: R20-183
Sample Received date: 19/08/2020
Test Date: 30/09/2020
Report Date: 30/09/2020

Sample Description: Client Reference: "DOVER ST"
100% Solution Dyed Nylon 66
814g/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	8.4	-	-	-	kW/m ²
Width	7.8	7.3	6.9	7.3	kW/m ²
Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	109	-	-	-	%.min
Width	138	162	157	152	%.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 39 seconds (159 s)
Time to flameout	: 21 minutes 13 seconds (1273 s)
Extent of burning (mm)	: 250
Critical flux at extinguishment (kW/m ²)	: 8.43
HF-10 (kW/m ²)	: 9.74
HF-20 (kW/m ²)	: 8.43
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 190
Flame spread at 20 minutes (mm)	: 250
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 29.79
Time to peak light attenuation	: 5 minutes 24 seconds (324 s)
Total integrated smoke (%.min)	: 109.47



SYDNEY CARPET LABORATORY

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

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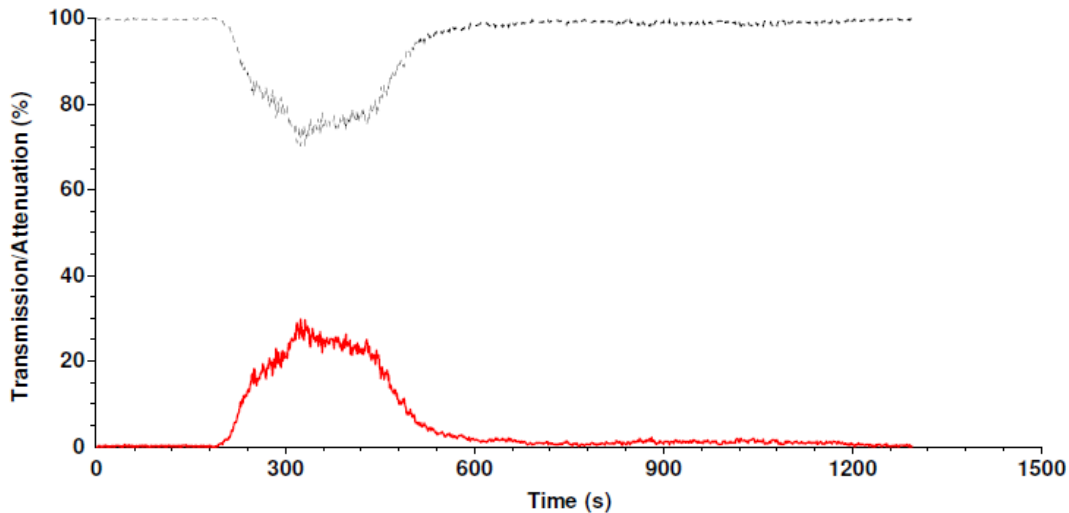
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\20090033.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	226	12.0	2.720	510	-	3.5	-
110	324	11.1	3.601	560	-	2.9	-
160	434	10.3	4.471	610	-	2.4	-
210	915	9.4	8.574	660	-	2.0	-
260	-	8.2	-	710	-	1.7	-
310	-	7.1	-	760	-	1.5	-
360	-	6.0	-	810	-	1.3	-
410	-	5.0	-	860	-	1.1	-
460	-	4.2	-	910	-	1.0	-



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 25 seconds (145 s)
Time to flameout	: 30 minutes 31 seconds (1831 s)
Extent of burning (mm)	: 280
Critical flux at extinguishment (kW/m ²)	: 7.75
HF-10 (kW/m ²)	: 10.12
HF-20 (kW/m ²)	: 8.43
HF-30 (kW/m ²)	: 7.75
Flame spread at 10 minutes (mm)	: 170
Flame spread at 20 minutes (mm)	: 250
Flame spread at 30 minutes (mm)	: 280
Peak light attenuation (%)	: 33.2
Time to peak light attenuation	: 5 minutes 47 seconds (347 s)
Total integrated smoke (%.min)	: 137.79



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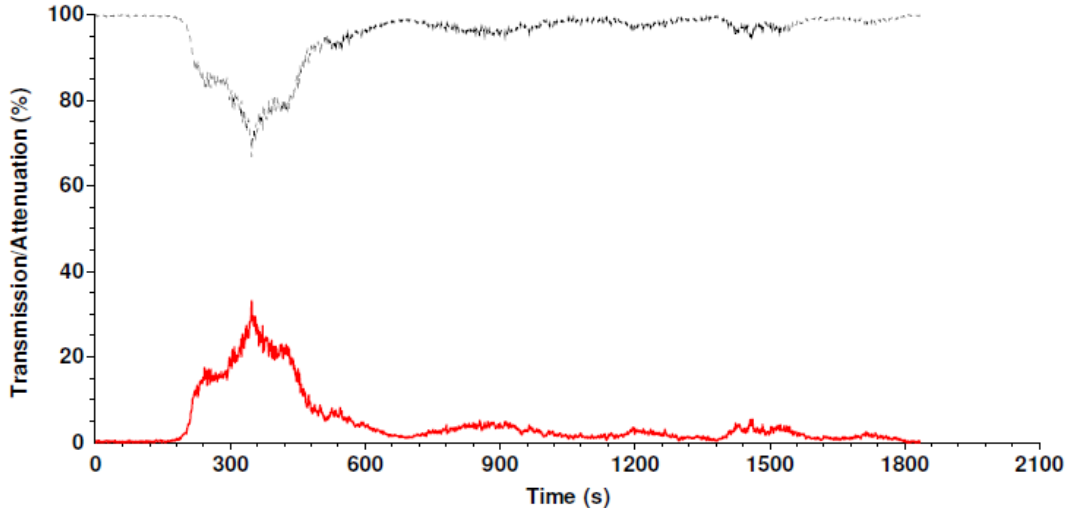
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
File name : C:\FRPSOFT\DATA\20090034.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	213	12.0	2.563	510	-	3.5	-
110	327	11.1	3.634	560	-	2.9	-
160	506	10.3	5.213	610	-	2.4	-
210	1149	9.4	10.767	660	-	2.0	-
260	1338	8.2	10.964	710	-	1.7	-
310	-	7.1	-	760	-	1.5	-
360	-	6.0	-	810	-	1.3	-
410	-	5.0	-	860	-	1.1	-
460	-	4.2	-	910	-	1.0	-



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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 33 seconds (153 s)
Time to flameout	: 31 minutes 35 seconds (1895 s)
Extent of burning (mm)	: 300
Critical flux at extinguishment (kW/m ²)	: 7.30
HF-10 (kW/m ²)	: 10.30
HF-20 (kW/m ²)	: 8.66
HF-30 (kW/m ²)	: 7.30
Flame spread at 10 minutes (mm)	: 160
Flame spread at 20 minutes (mm)	: 240
Flame spread at 30 minutes (mm)	: 300
Peak light attenuation (%)	: 34.02
Time to peak light attenuation	: 6 minutes 01 seconds (361 s)
Total integrated smoke (%.min)	: 162.18



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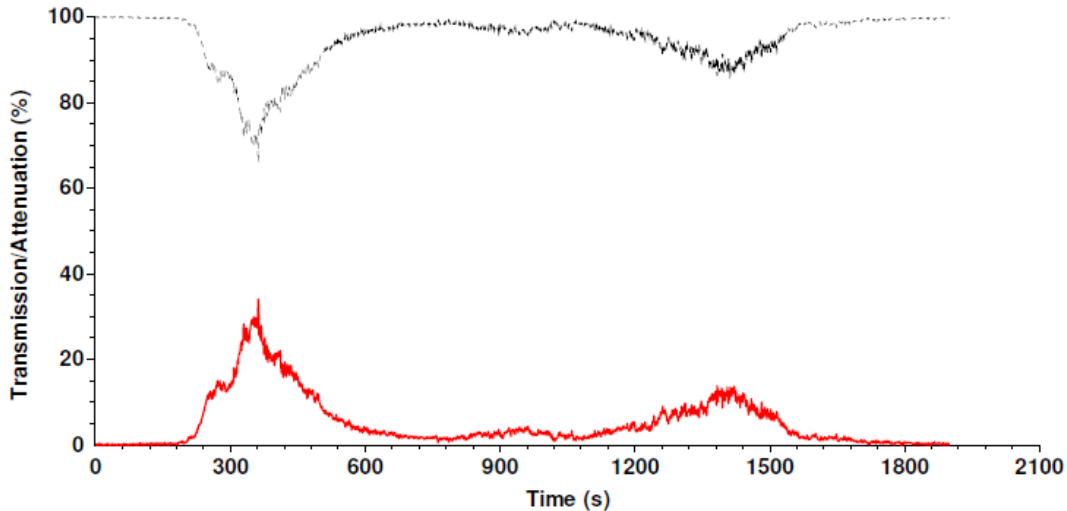
Sample 2 Width

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Smoke Graph



Test name : WIDTH2
File name : C:\FRPSOFT\DATA\20090035.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	256	12.0	3.081	510	-	3.5	-
110	358	11.1	3.979	560	-	2.9	-
160	575	10.3	5.924	610	-	2.4	-
210	1083	9.4	10.149	660	-	2.0	-
260	1337	8.2	10.955	710	-	1.7	-
310	-	7.1	-	760	-	1.5	-
360	-	6.0	-	810	-	1.3	-
410	-	5.0	-	860	-	1.1	-
460	-	4.2	-	910	-	1.0	-



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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 41 seconds (161 s)
Time to flameout	: 28 minutes 10 seconds (1690 s)
Extent of burning (mm)	: 320
Critical flux at extinguishment (kW/m ²)	: 6.87
HF-10 (kW/m ²)	: 10.12
HF-20 (kW/m ²)	: 8.19
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 170
Flame spread at 20 minutes (mm)	: 260
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 36.3
Time to peak light attenuation	: 6 minutes 13 seconds (373 s)
Total integrated smoke (%.min)	: 157.23



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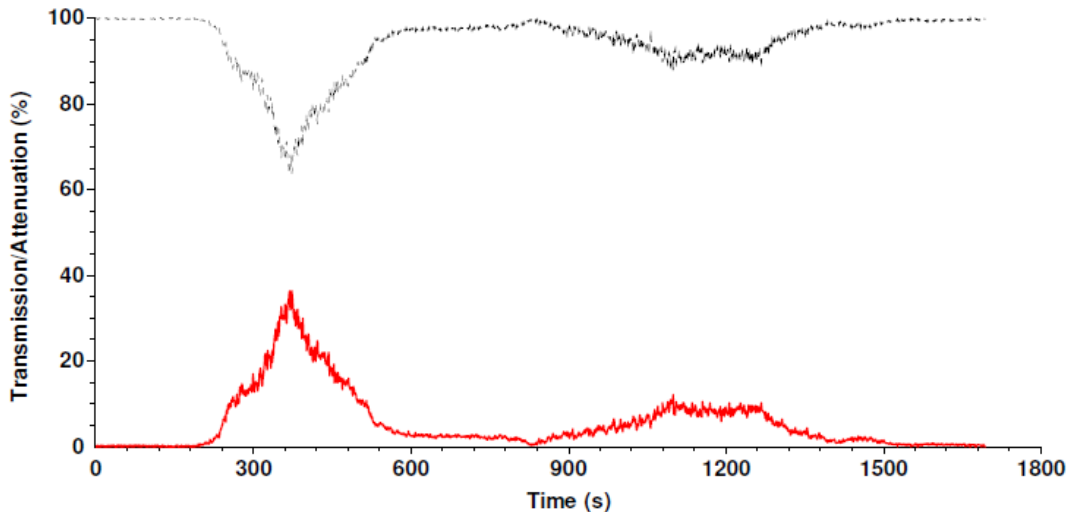
Sample 3 Width

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Smoke Graph



Test name : WIDTH3
File name : C:\FRPSOFT\DATA\20090036.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	254	12.0	3.057	510	-	3.5	-
110	349	11.1	3.879	560	-	2.9	-
160	482	10.3	4.966	610	-	2.4	-
210	933	9.4	8.743	660	-	2.0	-
260	1134	8.2	9.292	710	-	1.7	-
310	1548	7.1	10.957	760	-	1.5	-
360	-	6.0	-	810	-	1.3	-
410	-	5.0	-	860	-	1.1	-
460	-	4.2	-	910	-	1.0	-

END OF REPORT