



TEST REPORT

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

Test Report No: R23-167
Sample Received Date: 12/07/2023
Test Date: 16/11/2023
Report Date: 17/11/2023

Sample Description: Client Reference: "REKINDLED"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
1119g/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	5.1	5.1	4.9	5.0	kW/m ²
Width	5.1	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	146	179	171	165	%.min
Width	192	-	-	-	%.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.

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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 50 minutes 26 seconds (3026 s)
Extent of burning (mm)	: 400
Critical flux at extinguishment (kW/m ²)	: 5.08
HF-10 (kW/m ²)	: 9.57
HF-20 (kW/m ²)	: 6.32
HF-30 (kW/m ²)	: 5.69
Flame spread at 10 minutes (mm)	: 200
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 370
Peak light attenuation (%)	: 23.09
Time to peak light attenuation	: 7 minutes 59 seconds (479 s)
Total integrated smoke (%.min)	: 145.61

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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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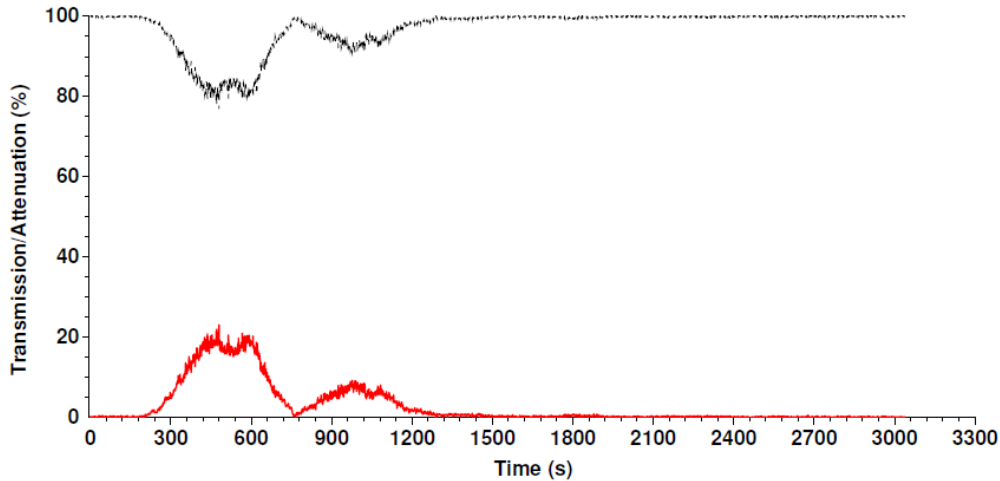
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Sample 1 Length Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\23110029.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	308	12.3	3.799	510	-	3.3	-
110	395	11.3	4.468	560	-	2.7	-
160	505	10.4	5.250	610	-	2.3	-
210	648	9.4	6.067	660	-	1.9	-
260	833	8.1	6.779	710	-	1.7	-
310	1077	7.0	7.510	760	-	1.4	-
360	1736	5.9	10.220	810	-	1.3	-
410	-	4.9	-	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

Accreditation No.2834.

Accredited for compliance with ISO/IEC 17025 - Testing

The results of the test, calibrations and/or measurements included in this document are traceable to Australian/ International Standards.

This report may not be reproduced except in full and shall be rendered void if amended or altered. The results on this report are related only to the items tested.

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 35 minutes 46 seconds (2146 s)
Extent of burning (mm)	: 400
Critical flux at extinguishment (kW/m ²)	: 5.08
HF-10 (kW/m ²)	: 8.63
HF-20 (kW/m ²)	: 6.10
HF-30 (kW/m ²)	: 5.49
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 32.74
Time to peak light attenuation	: 7 minutes 49 seconds (469 s)
Total integrated smoke (%.min)	: 192.15

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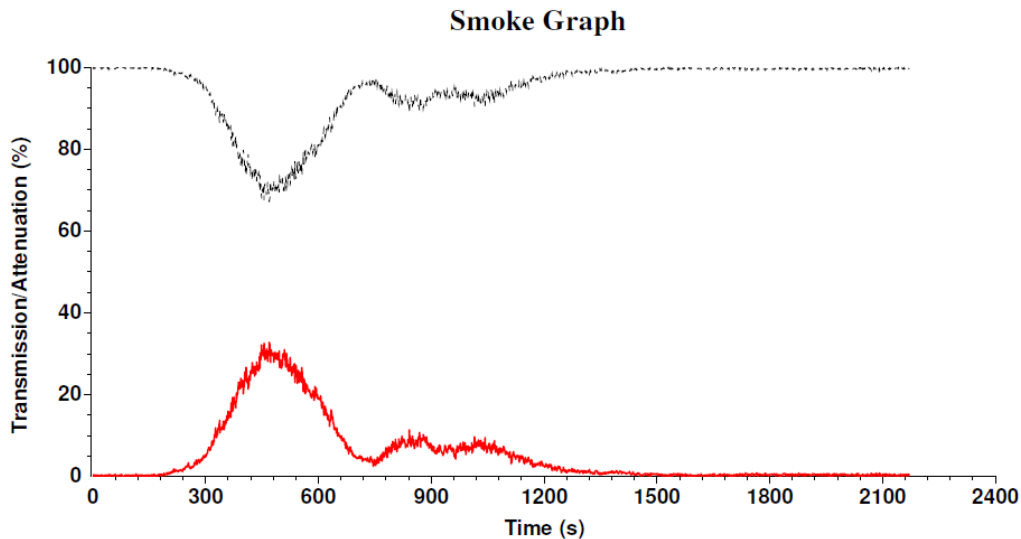
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\23110030.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	270	12.3	3.331	510	-	3.3	-
110	357	11.3	4.038	560	-	2.7	-
160	425	10.4	4.419	610	-	2.3	-
210	521	9.4	4.878	660	-	1.9	-
260	725	8.1	5.900	710	-	1.7	-
310	1049	7.0	7.315	760	-	1.4	-
360	1507	5.9	8.872	810	-	1.3	-
410	-	4.9	-	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 55 minutes 01 seconds (3301 s)
Extent of burning (mm)	: 400
Critical flux at extinguishment (kW/m ²)	: 5.08
HF-10 (kW/m ²)	: 8.38
HF-20 (kW/m ²)	: 6.32
HF-30 (kW/m ²)	: 5.49
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 34.44
Time to peak light attenuation	: 7 minutes 43 seconds (463 s)
Total integrated smoke (%.min)	: 179.48

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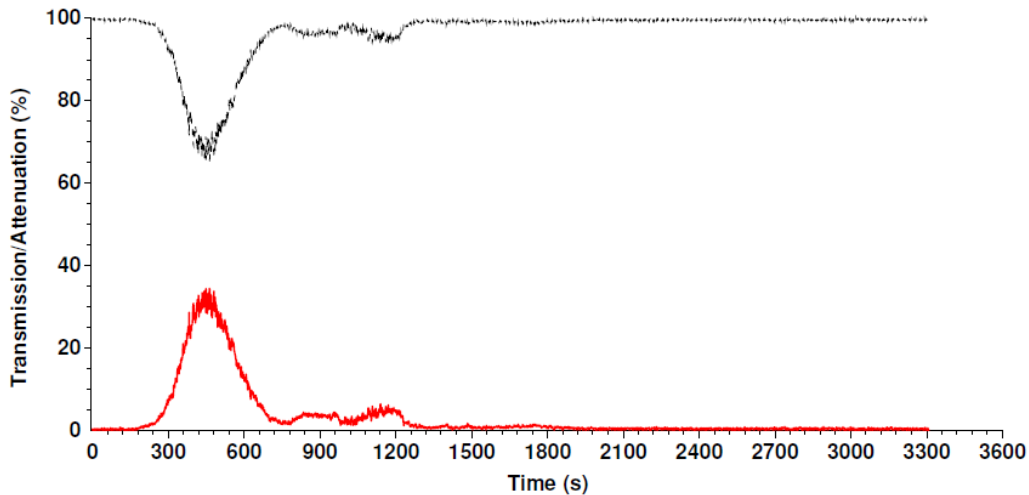
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Sample 2 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\23110031.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	243	12.3	2.998	510	-	3.3	-
110	390	11.3	4.411	560	-	2.7	-
160	535	10.4	5.562	610	-	2.3	-
210	564	9.4	5.280	660	-	1.9	-
260	772	8.1	6.283	710	-	1.7	-
310	1135	7.0	7.914	760	-	1.4	-
360	1581	5.9	9.307	810	-	1.3	-
410	-	4.9	-	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 18 seconds (138 s)
Time to flameout	: 44 minutes 04 seconds (2644 s)
Extent of burning (mm)	: 410
Critical flux at extinguishment (kW/m ²)	: 4.88
HF-10 (kW/m ²)	: 8.38
HF-20 (kW/m ²)	: 6.54
HF-30 (kW/m ²)	: 5.28
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 35.78
Time to peak light attenuation	: 7 minutes 54 seconds (474 s)
Total integrated smoke (%.min)	: 170.52



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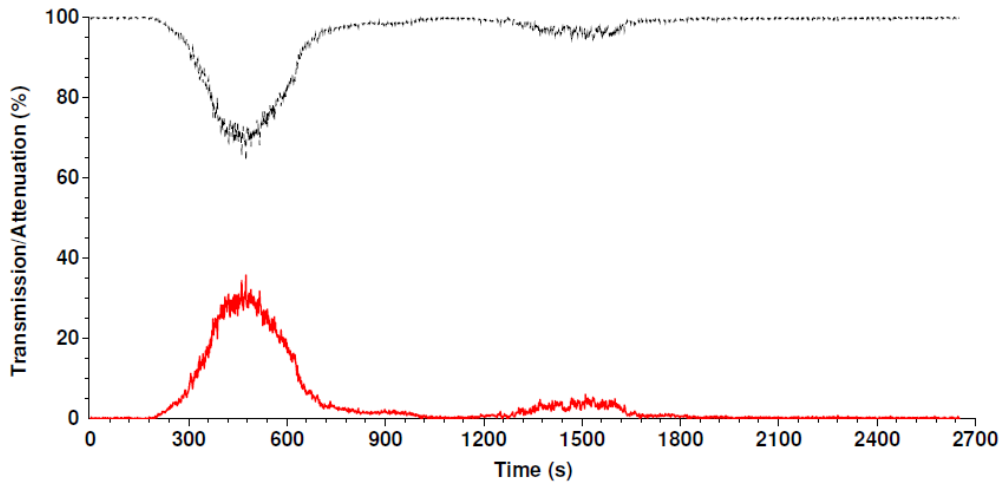
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Sample 3 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\23110032.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	201	12.3	2.480	510	-	3.3	-
110	292	11.3	3.303	560	-	2.7	-
160	374	10.4	3.888	610	-	2.3	-
210	492	9.4	4.606	660	-	1.9	-
260	692	8.1	5.631	710	-	1.7	-
310	1036	7.0	7.224	760	-	1.4	-
360	1611	5.9	9.484	810	-	1.3	-
410	1924	4.9	9.393	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

END OF REPORT

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