



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R23-150
Manufacturing:	34 Airds Road Minto	Sample Received Date:	12/07/2023
	NSW 2566	Test Date:	18/10/2023
	Australia	Report Date:	27/10/2023

Sample	Client Reference: "CHESHIRE STREET"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	984g/m ² 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	3.9	3.4	4.3	3.8	kW/m ²
Width	3.9	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	224	189	221	211	%.min
Width	214	-	-	-	%.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 18 seconds (138 s)
Time to flameout	: 50 minutes 40 seconds (3040 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.93
HF-10 (kW/m ²)	: 8.44
HF-20 (kW/m ²)	: 5.96
HF-30 (kW/m ²)	: 4.76
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 41.96
Time to peak light attenuation	: 6 minutes 56 seconds (416 s)
Total integrated smoke (%.min)	: 224.23

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Product Technical Manager

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TEST REPORT

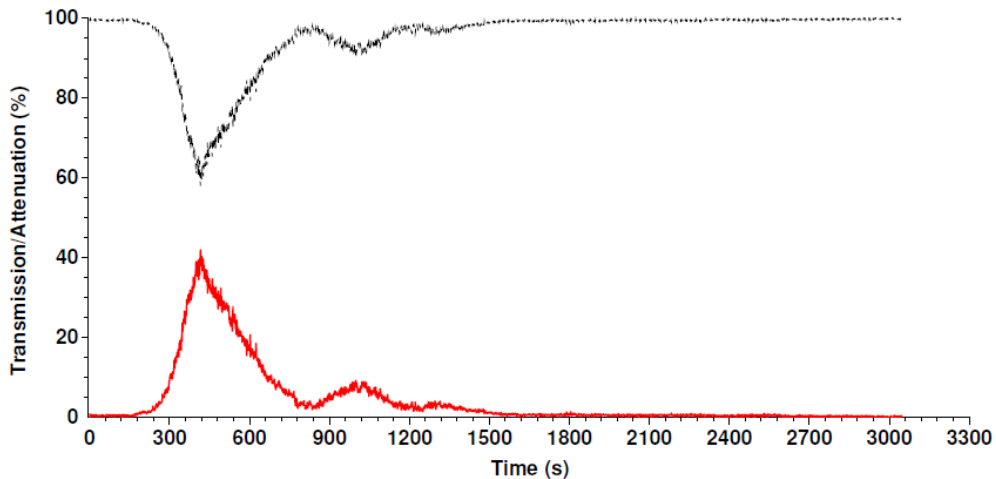
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\23100025.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	234	11.9	2.786	510	-	3.3	-
110	311	11.0	3.433	560	-	2.8	-
160	404	10.3	4.154	610	-	2.3	-
210	479	9.4	4.505	660	-	1.9	-
260	623	8.2	5.108	710	-	1.6	-
310	927	7.1	6.539	760	-	1.4	-
360	1190	6.0	7.088	810	-	1.2	-
410	1700	4.9	8.395	860	-	1.1	-
460	2380	4.1	9.691	910	-	1.0	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 18 seconds (138 s)
Time to flameout	: 62 minutes 09 seconds (3729 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.93
HF-10 (kW/m ²)	: 8.44
HF-20 (kW/m ²)	: 6.61
HF-30 (kW/m ²)	: 5.55
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 330
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 37.88
Time to peak light attenuation	: 6 minutes 52 seconds (412 s)
Total integrated smoke (%.min)	: 214

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TEST REPORT

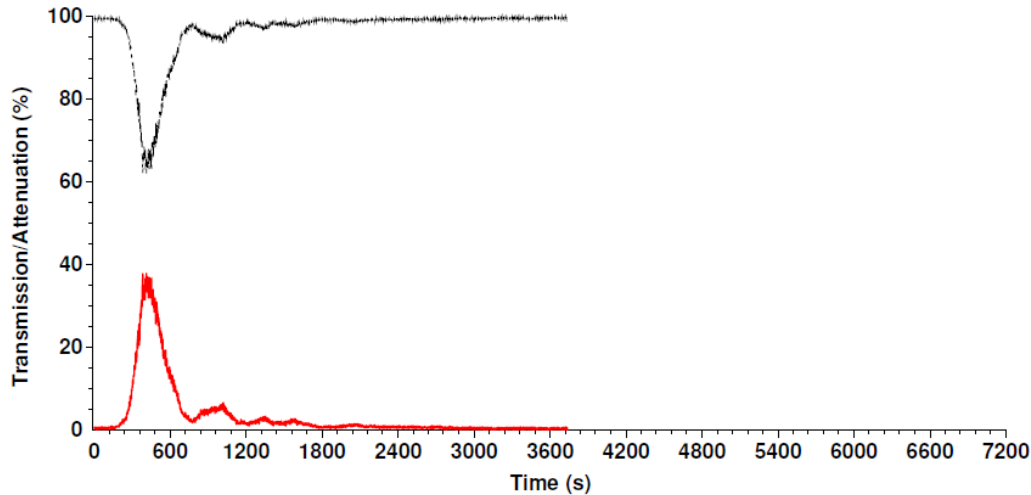
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\23100026.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	228	11.9	2.714	510	-	3.3	-
110	339	11.0	3.742	560	-	2.8	-
160	403	10.3	4.143	610	-	2.3	-
210	484	9.4	4.552	660	-	1.9	-
260	760	8.2	6.231	710	-	1.6	-
310	1073	7.1	7.569	760	-	1.4	-
360	1551	6.0	9.238	810	-	1.2	-
410	2130	4.9	10.518	860	-	1.1	-
460	3361	4.1	13.686	910	-	1.0	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 72 minutes 50 seconds (4370 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.35
HF-10 (kW/m ²)	: 8.44
HF-20 (kW/m ²)	: 6.83
HF-30 (kW/m ²)	: 6.18
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 320
Flame spread at 30 minutes (mm)	: 350
Peak light attenuation (%)	: 29.19
Time to peak light attenuation	: 6 minutes 29 seconds (389 s)
Total integrated smoke (%.min)	: 188.85

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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

TEST REPORT

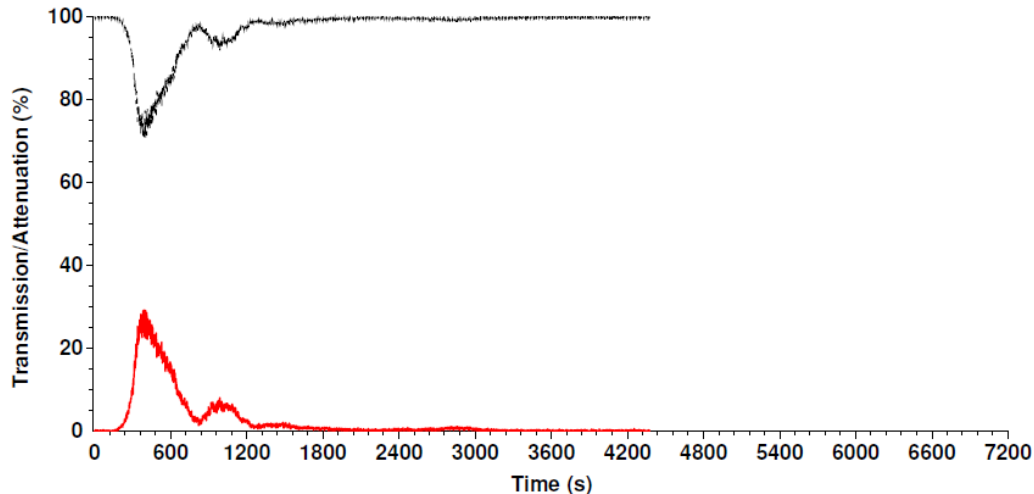
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Sample 2 Length Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH2
File name : C:\FRPSOFT\DATA\23100027.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	200	11.9	2.381	510	3837	3.3	12.842
110	330	11.0	3.642	560	-	2.8	-
160	387	10.3	3.979	610	-	2.3	-
210	483	9.4	4.543	660	-	1.9	-
260	799	8.2	6.551	710	-	1.6	-
310	1077	7.1	7.597	760	-	1.4	-
360	1895	6.0	11.287	810	-	1.2	-
410	2332	4.9	11.515	860	-	1.1	-
460	3137	4.1	12.774	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 3 Length

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 47 minutes 48 seconds (2868 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.25
HF-10 (kW/m ²)	: 8.44
HF-20 (kW/m ²)	: 6.40
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 35.31
Time to peak light attenuation	: 6 minutes 28 seconds (388 s)
Total integrated smoke (%.min)	: 220.67

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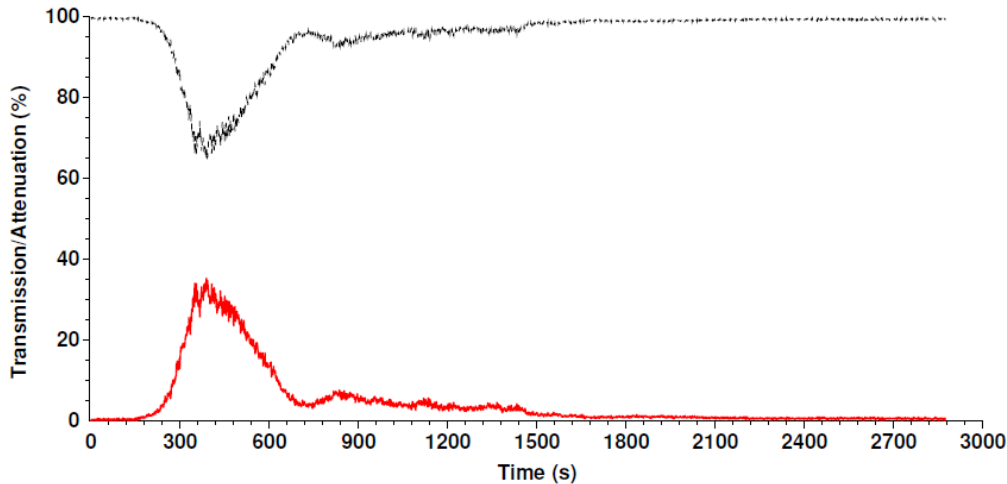
Sample 3 Length

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\23100028.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	11.9	2.536	510	-	3.3	-
110	287	11.0	3.168	560	-	2.8	-
160	369	10.3	3.794	610	-	2.3	-
210	466	9.4	4.383	660	-	1.9	-
260	676	8.2	5.543	710	-	1.6	-
310	968	7.1	6.828	760	-	1.4	-
360	1350	6.0	8.041	810	-	1.2	-
410	1856	4.9	9.165	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-

END OF REPORT

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Product Technical Manager

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