



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R24-132
Manufacturing:	34 Airds Road Minto	Sample Received Date:	5/02/2024
	NSW 2566	Test Date:	20/06/2024
	Australia	Report Date:	21/06/2024

Sample	Client Reference: "E611"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	1051g/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	4.4	4.2	4.2	4.3	kW/m ²
Width	4.8	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	198	206	194	199	%.min
Width	197	-	-	-	%.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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Product Technical Manager

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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 14 seconds (134 s)
Time to flameout	: 60 minutes 23 seconds (3623 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m ²)	: 4.39
HF-10 (kW/m ²)	: 9.57
HF-20 (kW/m ²)	: 6.44
HF-30 (kW/m ²)	: 5.35
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 32.12
Time to peak light attenuation	: 7 minutes 30 seconds (450 s)
Total integrated smoke (%.min)	: 198.26

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TEST REPORT

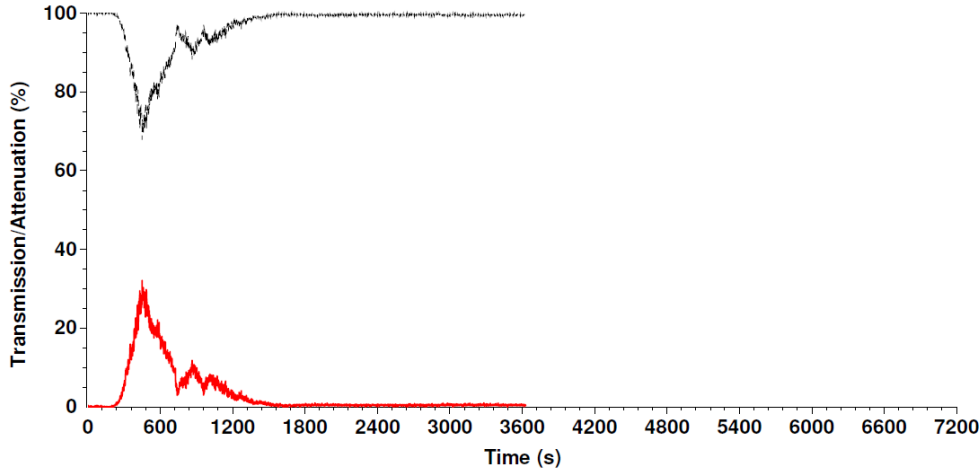
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24060021.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	278	12.1	3.354	510	-	3.3	-
110	350	11.2	3.920	560	-	2.7	-
160	493	10.4	5.150	610	-	2.3	-
210	605	9.6	5.792	660	-	1.9	-
260	750	8.3	6.238	710	-	1.6	-
310	978	7.1	6.963	760	-	1.4	-
360	1352	6.0	8.089	810	-	1.2	-
410	2097	4.9	10.328	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 45 minutes 20 seconds (2720 s)
Extent of burning (mm)	: 420
Critical flux at extinguishment (kW/m ²)	: 4.75
HF-10 (kW/m ²)	: 9.57
HF-20 (kW/m ²)	: 6.44
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 32.52
Time to peak light attenuation	: 7 minutes 45 seconds (465 s)
Total integrated smoke (%.min)	: 197.82

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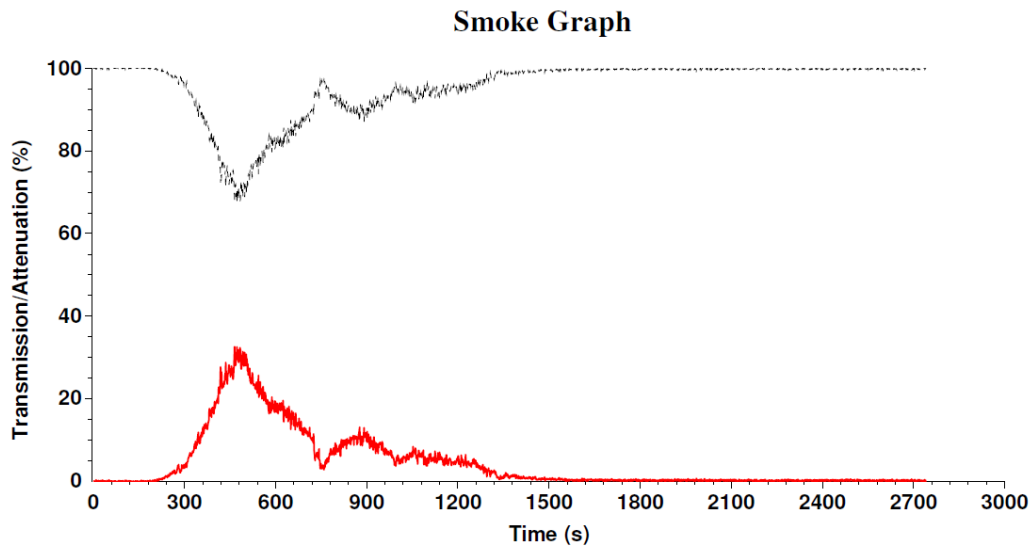
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24060022.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	300	12.1	3.619	510	-	3.3	-
110	441	11.2	4.939	560	-	2.7	-
160	488	10.4	5.098	610	-	2.3	-
210	598	9.6	5.725	660	-	1.9	-
260	801	8.3	6.662	710	-	1.6	-
310	984	7.1	7.006	760	-	1.4	-
360	1372	6.0	8.209	810	-	1.2	-
410	2500	4.9	12.313	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 17 seconds (137 s)
Time to flameout	: 45 minutes 21 seconds (2721 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.21
HF-10 (kW/m ²)	: 9.57
HF-20 (kW/m ²)	: 6.21
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 29.56
Time to peak light attenuation	: 8 minutes 29 seconds (509 s)
Total integrated smoke (%.min)	: 205.65

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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

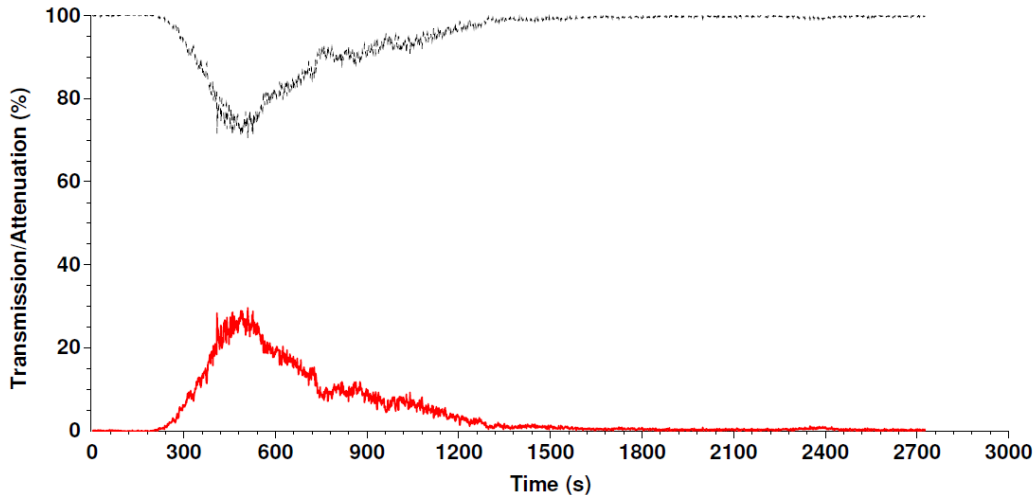
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Sample 2 Length Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH2
File name : C:\FRPSOFT\DATA\24060023.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	276	12.1	3.329	510	-	3.3	-
110	389	11.2	4.357	560	-	2.7	-
160	509	10.4	5.318	610	-	2.3	-
210	600	9.6	5.744	660	-	1.9	-
260	719	8.3	5.980	710	-	1.6	-
310	1071	7.1	7.626	760	-	1.4	-
360	1357	6.0	8.119	810	-	1.2	-
410	1865	4.9	9.185	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 3 Length

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 53 minutes 26 seconds (3206 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.21
HF-10 (kW/m ²)	: 9.57
HF-20 (kW/m ²)	: 6.44
HF-30 (kW/m ²)	: 5.56
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 380
Peak light attenuation (%)	: 31.28
Time to peak light attenuation	: 7 minutes 40 seconds (460 s)
Total integrated smoke (%.min)	: 194.2

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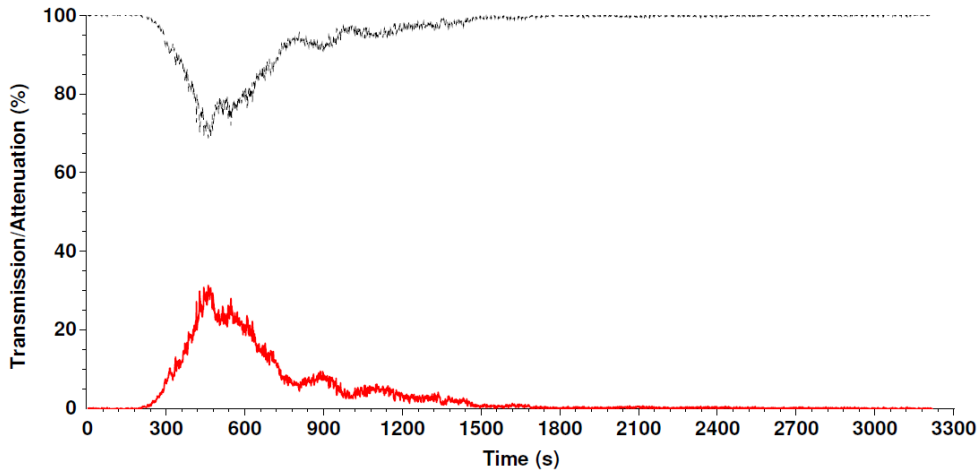
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Sample 3 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\24060024.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	12.1	3.715	510	-	3.3	-
110	414	11.2	4.637	560	-	2.7	-
160	497	10.4	5.192	610	-	2.3	-
210	603	9.6	5.773	660	-	1.9	-
260	727	8.3	6.046	710	-	1.6	-
310	1031	7.1	7.341	760	-	1.4	-
360	1590	6.0	9.513	810	-	1.2	-
410	2095	4.9	10.318	860	-	1.1	-
460	-	4.0	-	910	-	1.0	-

END OF REPORT

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Product Technical Manager

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