



TEST REPORT

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

Test Report No: R25-038
Sample Received Date: 21/02/2025
Test Date: 20/03/2025
Report Date: 24/03/2025

Sample Description: Client Reference: "REFLEX"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
534g/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	4.0	8.0	3.9	5.3	kW/m ²
Width	8.3	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	158	139	153	150	%.min
Width	120	-	-	-	%.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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Laboratory Coordinator

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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 22 seconds (142 s)
Time to flameout	: 53 minutes 17 seconds (3197 s)
Extent of burning (mm)	: 460
Critical flux at extinguishment (kW/m ²)	: 3.99
HF-10 (kW/m ²)	: 8.25
HF-20 (kW/m ²)	: 6.68
HF-30 (kW/m ²)	: 5.25
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 320
Flame spread at 30 minutes (mm)	: 390
Peak light attenuation (%)	: 35.15
Time to peak light attenuation	: 5 minutes 33 seconds (333 s)
Total integrated smoke (%.min)	: 158.06

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TEST REPORT

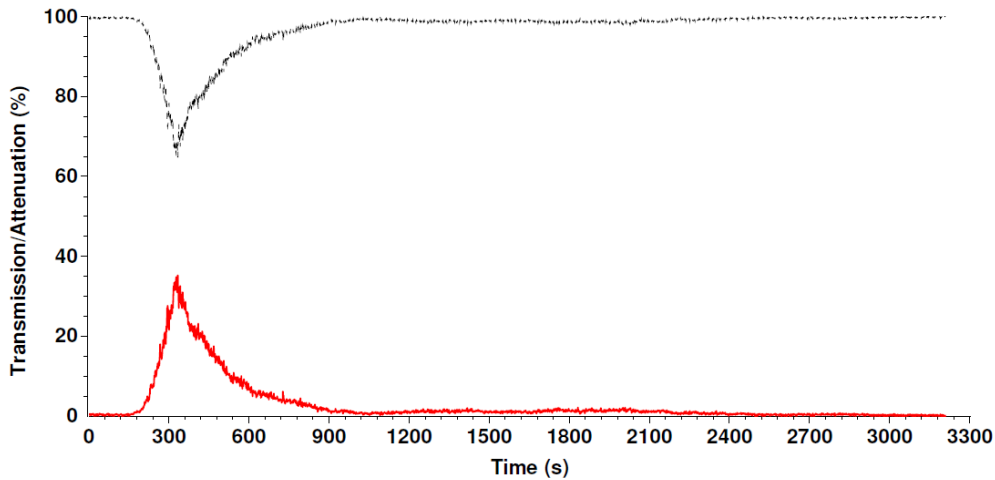
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\25030011.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	244	12.4	3.037	510	-	3.3	-
110	303	11.3	3.433	560	-	2.7	-
160	368	10.3	3.798	610	-	2.3	-
210	479	9.2	4.404	660	-	1.9	-
260	690	8.0	5.531	710	-	1.6	-
310	1122	6.9	7.737	760	-	1.4	-
360	1502	5.8	8.766	810	-	1.2	-
410	1948	4.9	9.461	860	-	1.1	-
460	2955	4.0	11.802	910	-	1.0	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 16 minutes 30 seconds (990 s)
Extent of burning (mm)	: 250
Critical flux at extinguishment (kW/m ²)	: 8.25
HF-10 (kW/m ²)	: 8.25
HF-20 (kW/m ²)	: Not calculated (test duration < 20 minutes)
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: Not measured
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 37.17
Time to peak light attenuation	: 5 minutes 14 seconds (314 s)
Total integrated smoke (%.min)	: 119.57

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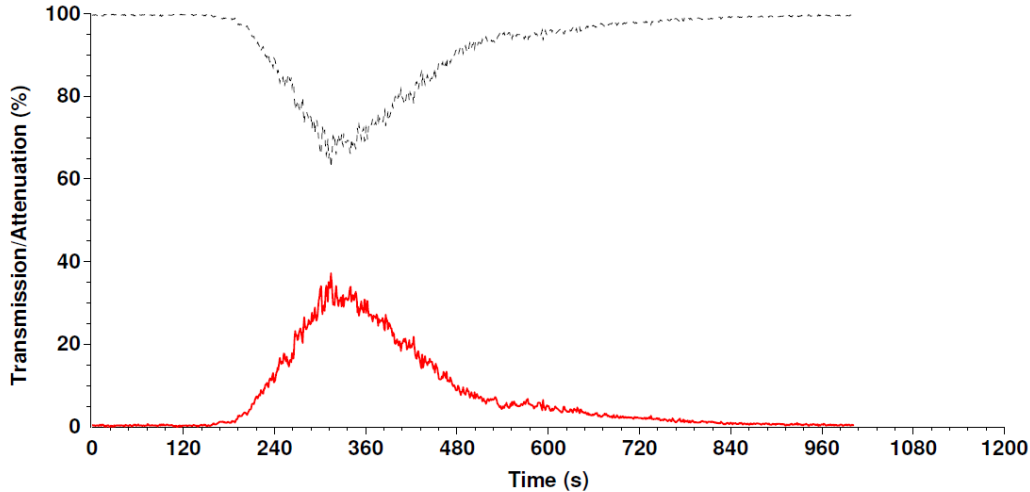
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\25030012.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	221	12.4	2.750	510	-	3.3	-
110	292	11.3	3.308	560	-	2.7	-
160	346	10.3	3.571	610	-	2.3	-
210	420	9.2	3.862	660	-	1.9	-
260	-	8.0	-	710	-	1.6	-
310	-	6.9	-	760	-	1.4	-
360	-	5.8	-	810	-	1.2	-
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 19 seconds (139 s)
Time to flameout	: 17 minutes 30 seconds (1050 s)
Extent of burning (mm)	: 260
Critical flux at extinguishment (kW/m ²)	: 8.02
HF-10 (kW/m ²)	: 8.96
HF-20 (kW/m ²)	: Not calculated (test duration < 20 minutes)
HF-30 (kW/m ²)	: Not calculated (test duration < 30 minutes)
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: Not measured
Flame spread at 30 minutes (mm)	: Not measured
Peak light attenuation (%)	: 38.19
Time to peak light attenuation	: 5 minutes 32 seconds (332 s)
Total integrated smoke (%.min)	: 139.26

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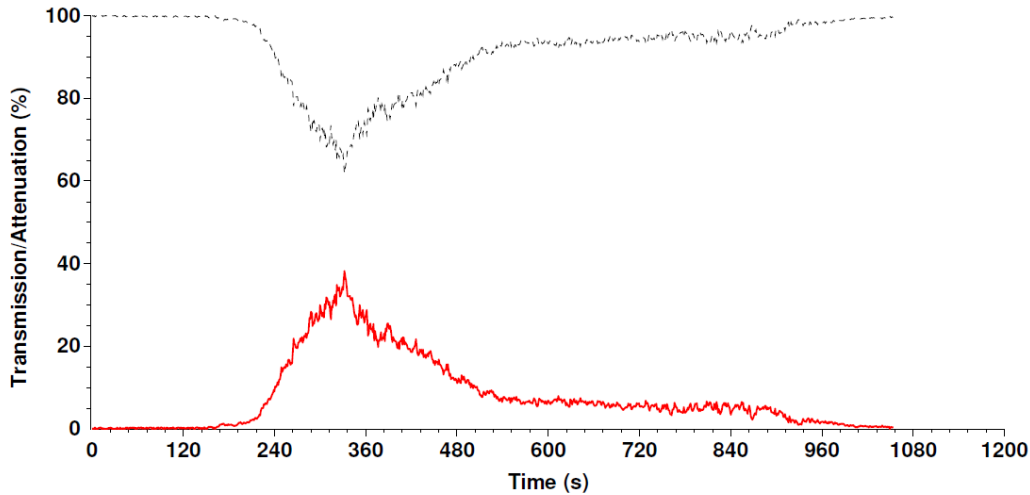
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Sample 2 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\25030013.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	230	12.4	2.862	510	-	3.3	-
110	305	11.3	3.455	560	-	2.7	-
160	352	10.3	3.633	610	-	2.3	-
210	507	9.2	4.662	660	-	1.9	-
260	779	8.0	6.244	710	-	1.6	-
310	-	6.9	-	760	-	1.4	-
360	-	5.8	-	810	-	1.2	-
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 15 seconds (135 s)
Time to flameout	: 47 minutes 01 seconds (2821 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.85
HF-10 (kW/m ²)	: 8.25
HF-20 (kW/m ²)	: 5.84
HF-30 (kW/m ²)	: 4.68
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 32.76
Time to peak light attenuation	: 5 minutes 45 seconds (345 s)
Total integrated smoke (%.min)	: 152.7

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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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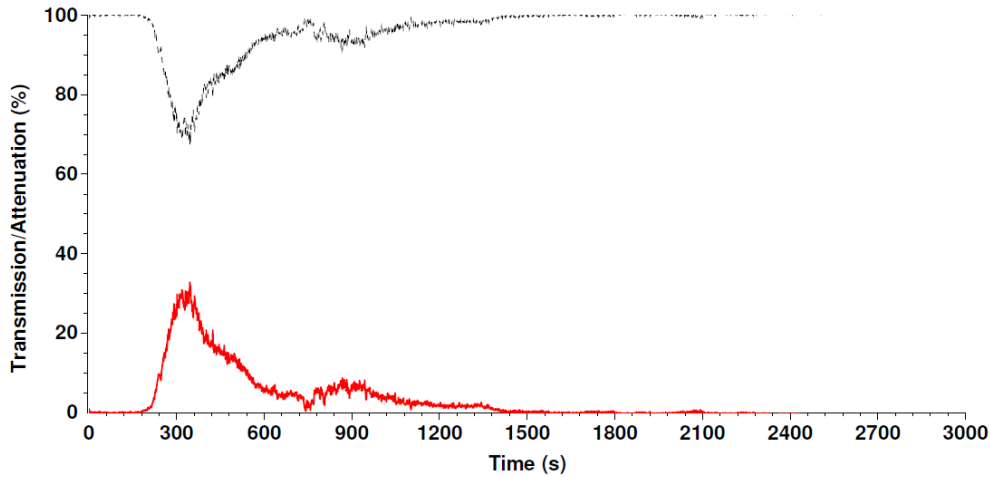
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Sample 3 Length Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\25030014.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	12.4	2.813	510	-	3.3	-
110	293	11.3	3.319	560	-	2.7	-
160	352	10.3	3.633	610	-	2.3	-
210	455	9.2	4.184	660	-	1.9	-
260	646	8.0	5.178	710	-	1.6	-
310	905	6.9	6.241	760	-	1.4	-
360	1174	5.8	6.851	810	-	1.2	-
410	1635	4.9	7.941	860	-	1.1	-
460	2237	4.0	8.935	910	-	1.0	-

END OF REPORT

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.

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Laboratory Coordinator

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