



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R24-022A
Manufacturing:	34 Airds Road Minto	Sample Received Date:	19/01/2024
	NSW 2566	Test Date:	23/01/2024
	Australia	Report Date:	31/01/2024

Sample	Client Reference:	Test Sponsor:
Description:	THIRD SPACE COLLECTION 22OZ	Interface Australia
	THIRD SPACE 304	
	THIRD SPACE 307	
	THIRD SPACE 308	
	THIRD SPACE 309	
	THIRD SPACE 310	
	THIRD SPACE 311	
	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	
	746g/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	3.6	-	-	-	kW/m ²
Width	3.5	3.8	3.4	3.5	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	201	-	-	-	%.min
Width	192	192	215	200	%.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.

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Product Technical Manager

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Sample was conditioned in accordance with BS EN 13238 at a temperature of $23\pm 2^{\circ}\text{C}$ and relative humidity of $50\pm 5\%$ 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.

Sample 1 Length

Test Results

Time to ignition	: 2 minutes 09 seconds (129 s)
Time to flameout	: 60 minutes 25 seconds (3625 s)
Extent of burning (mm)	: 490
Critical flux at extinguishment (kW/m^2)	: 3.63
HF-10 (kW/m^2)	: 8.74
HF-20 (kW/m^2)	: 4.91
HF-30 (kW/m^2)	: 4.57
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 410
Flame spread at 30 minutes (mm)	: 430
Peak light attenuation (%)	: 28.89
Time to peak light attenuation	: 6 minutes 43 seconds (403 s)
Total integrated smoke (%.min)	: 200.78

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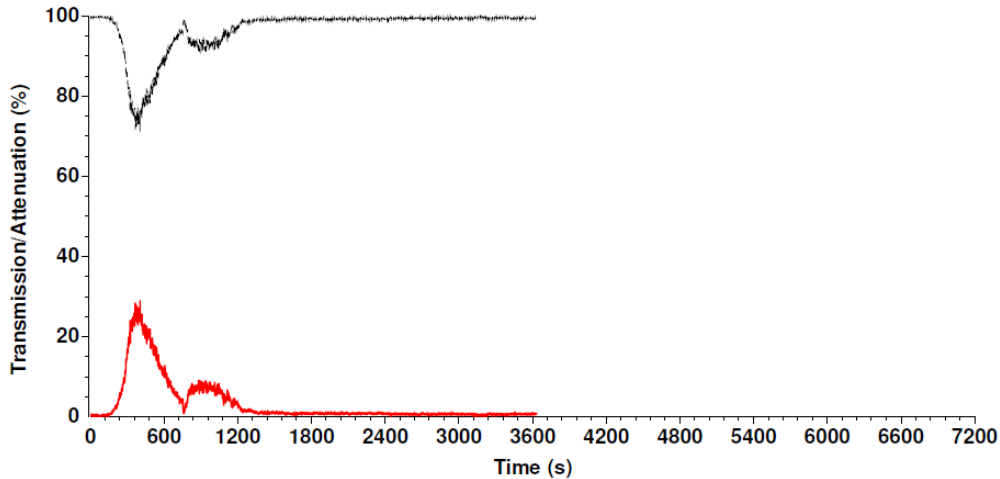
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\24010033.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	237	12.1	2.869	510	-	3.3	-
110	351	11.2	3.930	560	-	2.8	-
160	423	10.4	4.400	610	-	2.3	-
210	552	9.5	5.235	660	-	2.0	-
260	748	8.2	6.164	710	-	1.7	-
310	954	7.1	6.732	760	-	1.4	-
360	1200	5.9	7.132	810	-	1.2	-
410	1671	4.9	8.203	860	-	1.0	-
460	2229	4.1	9.045	910	-	0.9	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 50 minutes 36 seconds (3036 s)
Extent of burning (mm)	: 500
Critical flux at extinguishment (kW/m ²)	: 3.49
HF-10 (kW/m ²)	: 9.24
HF-20 (kW/m ²)	: 6.39
HF-30 (kW/m ²)	: 4.91
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 32.43
Time to peak light attenuation	: 6 minutes 18 seconds (378 s)
Total integrated smoke (%.min)	: 192.24

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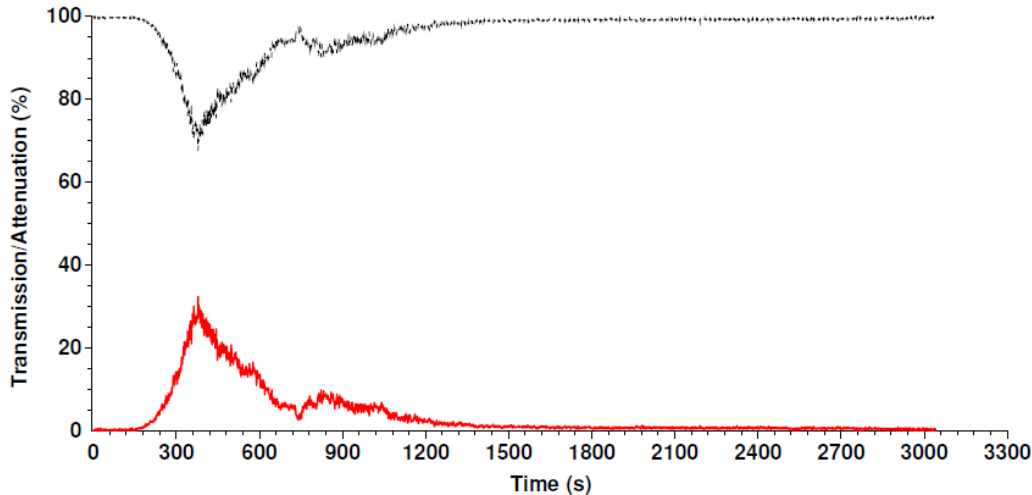
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Sample 1 Width
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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24010034.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	262	12.1	3.172	510	-	3.3	-
110	343	11.2	3.841	560	-	2.8	-
160	447	10.4	4.649	610	-	2.3	-
210	550	9.5	5.216	660	-	2.0	-
260	709	8.2	5.842	710	-	1.7	-
310	932	7.1	6.577	760	-	1.4	-
360	1334	5.9	7.928	810	-	1.2	-
410	1673	4.9	8.213	860	-	1.0	-
460	2239	4.1	9.086	910	-	0.9	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 17 seconds (137 s)
Time to flameout	: 45 minutes 06 seconds (2706 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.77
HF-10 (kW/m ²)	: 8.74
HF-20 (kW/m ²)	: 5.94
HF-30 (kW/m ²)	: 4.74
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 28.93
Time to peak light attenuation	: 6 minutes 25 seconds (385 s)
Total integrated smoke (%.min)	: 192.44

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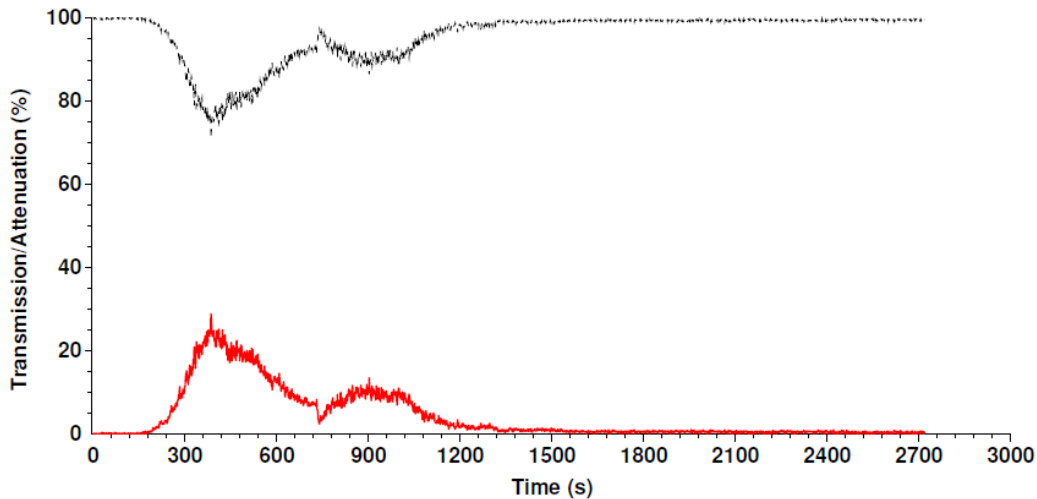
Sample 2 Width

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Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\24010035.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	219	12.1	2.651	510	-	3.3	-
110	385	11.2	4.311	560	-	2.8	-
160	477	10.4	4.961	610	-	2.3	-
210	524	9.5	4.970	660	-	2.0	-
260	727	8.2	5.990	710	-	1.7	-
310	956	7.1	6.746	760	-	1.4	-
360	1152	5.9	6.846	810	-	1.2	-
410	1578	4.9	7.746	860	-	1.0	-
460	2332	4.1	9.463	910	-	0.9	-

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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 14 seconds (134 s)
Time to flameout	: 54 minutes 27 seconds (3267 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.35
HF-10 (kW/m ²)	: 8.24
HF-20 (kW/m ²)	: 5.94
HF-30 (kW/m ²)	: 4.74
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 39.38
Time to peak light attenuation	: 6 minutes 02 seconds (362 s)
Total integrated smoke (%.min)	: 214.96

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TEST REPORT

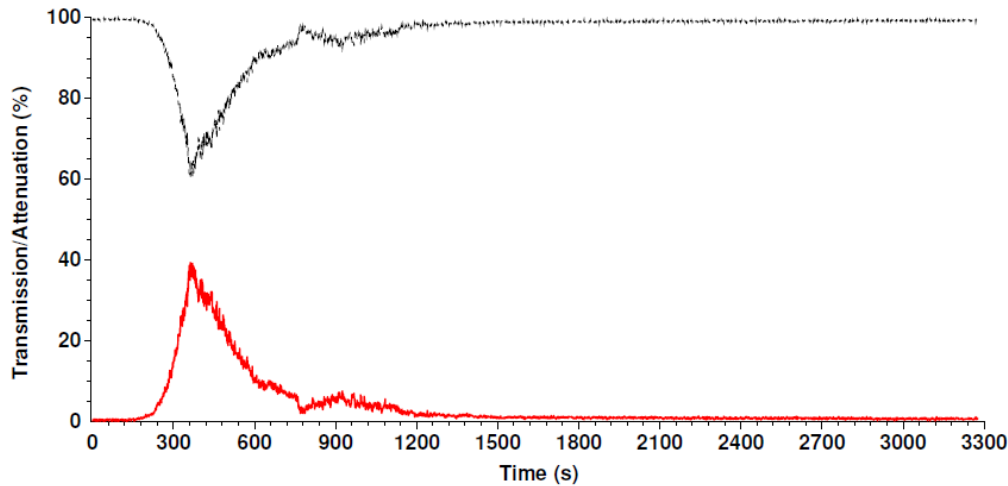
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Sample 3 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\24010036.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	192	12.1	2.324	510	2946	3.3	9.857
110	229	11.2	2.564	560	-	2.8	-
160	389	10.4	4.046	610	-	2.3	-
210	492	9.5	4.666	660	-	2.0	-
260	568	8.2	4.680	710	-	1.7	-
310	904	7.1	6.380	760	-	1.4	-
360	1006	5.9	5.979	810	-	1.2	-
410	1475	4.9	7.241	860	-	1.0	-
460	2050	4.1	8.319	910	-	0.9	-

END OF REPORT

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