



TEST REPORT

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

Test Report No: R24-176
Sample Received Date: 24/05/2024
Test Date: 30/07/2024
Report Date: 5/08/2024

Sample Description: Client Reference: "KEYS VIEW"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
610g/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	4.6	-	-	-	kW/m ²
Width	4.0	3.8	4.0	3.9	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	144	-	-	-	%.min
Width	162	174	152	163	%.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 10 seconds (130 s)
Time to flameout	: 44 minutes 02 seconds (2642 s)
Extent of burning (mm)	: 430
Critical flux at extinguishment (kW/m ²)	: 4.58
HF-10 (kW/m ²)	: 9.38
HF-20 (kW/m ²)	: 6.34
HF-30 (kW/m ²)	: 4.90
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 28.69
Time to peak light attenuation	: 5 minutes 33 seconds (333 s)
Total integrated smoke (%.min)	: 143.83

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TEST REPORT

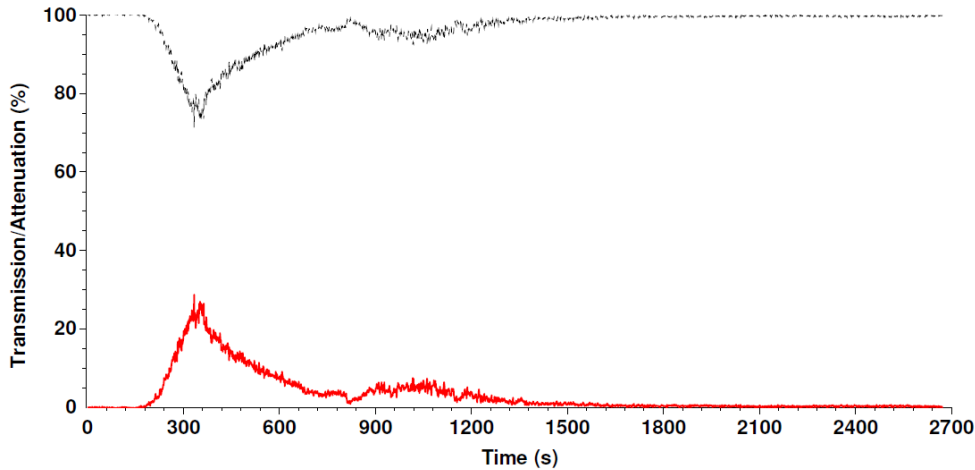
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Sample 1 Length Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
File name : C:\FRPSOFT\DATA\24070061.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	247	12.4	3.073	510	-	3.4	-
110	316	11.4	3.599	560	-	2.8	-
160	424	10.4	4.428	610	-	2.3	-
210	591	9.4	5.543	660	-	2.0	-
260	809	8.2	6.595	710	-	1.7	-
310	1048	7.0	7.320	760	-	1.5	-
360	1376	5.9	8.123	810	-	1.3	-
410	1802	4.9	8.832	860	-	1.2	-
460	-	4.1	-	910	-	1.1	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 58 minutes 05 seconds (3485 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.95
HF-10 (kW/m ²)	: 9.38
HF-20 (kW/m ²)	: 6.34
HF-30 (kW/m ²)	: 4.90
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 340
Flame spread at 30 minutes (mm)	: 410
Peak light attenuation (%)	: 24.56
Time to peak light attenuation	: 5 minutes 53 seconds (353 s)
Total integrated smoke (%.min)	: 162.04

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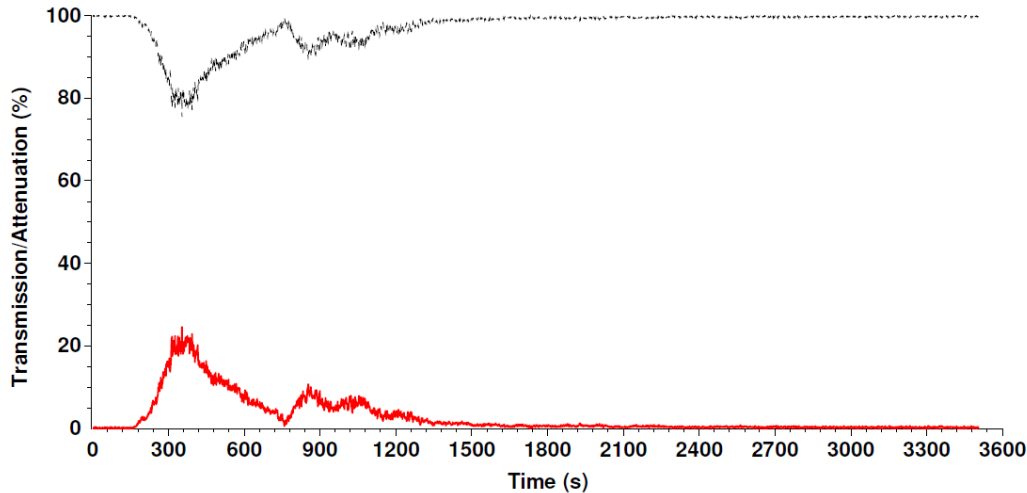
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Sample 1 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\24070062.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	246	12.4	3.061	510	-	3.4	-
110	342	11.4	3.895	560	-	2.8	-
160	470	10.4	4.908	610	-	2.3	-
210	595	9.4	5.581	660	-	2.0	-
260	832	8.2	6.782	710	-	1.7	-
310	1041	7.0	7.271	760	-	1.5	-
360	1301	5.9	7.680	810	-	1.3	-
410	1742	4.9	8.538	860	-	1.2	-
460	2421	4.1	9.899	910	-	1.1	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 58 minutes 15 seconds (3495 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.82
HF-10 (kW/m ²)	: 9.38
HF-20 (kW/m ²)	: 6.12
HF-30 (kW/m ²)	: 4.74
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 28.71
Time to peak light attenuation	: 6 minutes 02 seconds (362 s)
Total integrated smoke (%.min)	: 173.97

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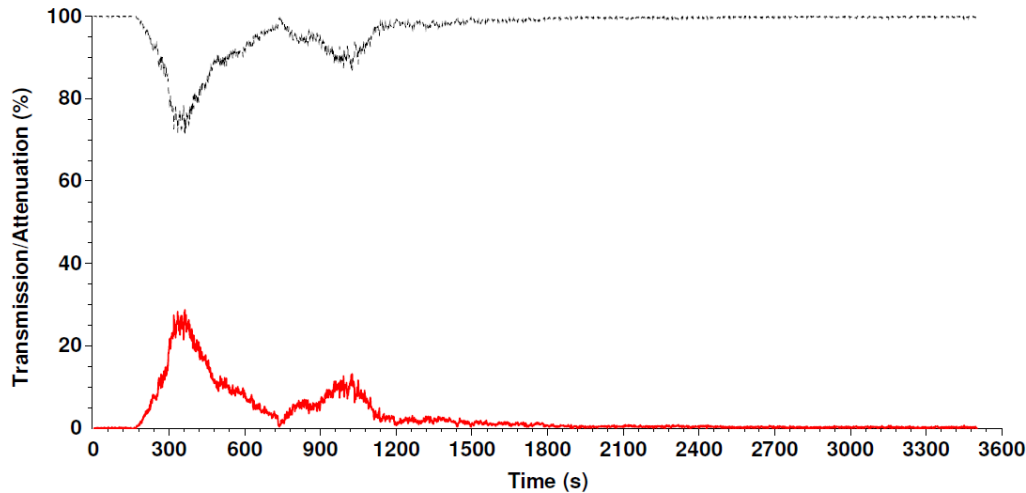
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Sample 2 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\24070063.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	3.036	510	-	3.4	-
110	333	11.4	3.792	560	-	2.8	-
160	428	10.4	4.470	610	-	2.3	-
210	592	9.4	5.552	660	-	2.0	-
260	762	8.2	6.212	710	-	1.7	-
310	981	7.0	6.852	760	-	1.5	-
360	1307	5.9	7.715	810	-	1.3	-
410	1688	4.9	8.273	860	-	1.2	-
460	2284	4.1	9.339	910	-	1.1	-

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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 46 minutes 25 seconds (2785 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.95
HF-10 (kW/m ²)	: 9.38
HF-20 (kW/m ²)	: 6.12
HF-30 (kW/m ²)	: 4.74
Flame spread at 10 minutes (mm)	: 210
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 25.3
Time to peak light attenuation	: 5 minutes 15 seconds (315 s)
Total integrated smoke (%.min)	: 151.76

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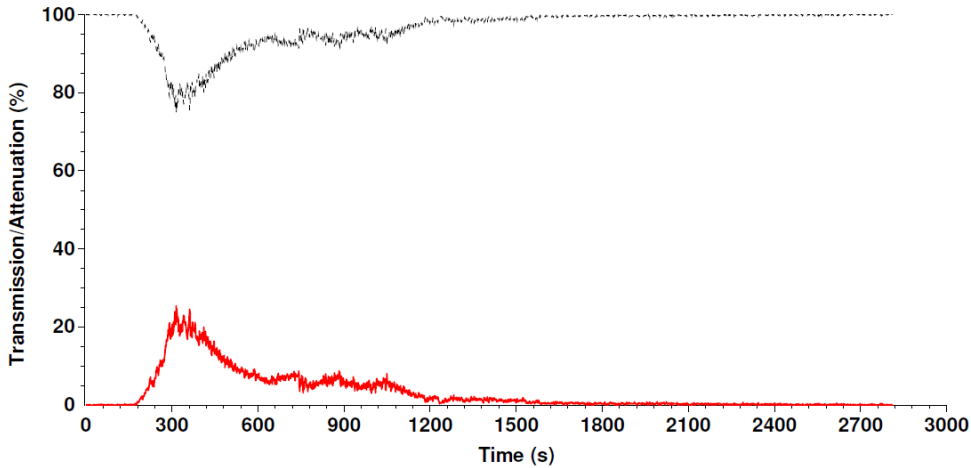
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Sample 3 Width Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\24070064.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	251	12.4	3.123	510	-	3.4	-
110	330	11.4	3.758	560	-	2.8	-
160	470	10.4	4.908	610	-	2.3	-
210	589	9.4	5.524	660	-	2.0	-
260	769	8.2	6.269	710	-	1.7	-
310	986	7.0	6.887	760	-	1.5	-
360	1286	5.9	7.591	810	-	1.3	-
410	1666	4.9	8.165	860	-	1.2	-
460	2400	4.1	9.814	910	-	1.1	-

END OF REPORT

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Product Technical Manager

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