



TEST REPORT

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

Test Report No: R23-004
Sample Received Date: 16/12/2022
Test Date: 16/01/2023
Report Date: 17/01/2023

Sample Description: Client Reference: "CE100"
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	3.0	3.3	3.3	3.2	kW/m ²
Width	3.0	-	-	-	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	207	186	209	201	%.min
Width	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.

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.

KARTHIK BHASKARAN
Materials Scientist

APPROVED SIGNATORY



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Sample 1 Length

Test Results

Time to ignition	: 2 minutes 10 seconds (130 s)
Time to flameout	: 59 minutes 09 seconds (3549 s)
Extent of burning (mm)	: 540
Critical flux at extinguishment (kW/m ²)	: 2.97
HF-10 (kW/m ²)	: 8.25
HF-20 (kW/m ²)	: 5.82
HF-30 (kW/m ²)	: 4.07
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 370
Flame spread at 30 minutes (mm)	: 460
Peak light attenuation (%)	: 33.35
Time to peak light attenuation	: 5 minutes 55 seconds (355 s)
Total integrated smoke (%.min)	: 207.3



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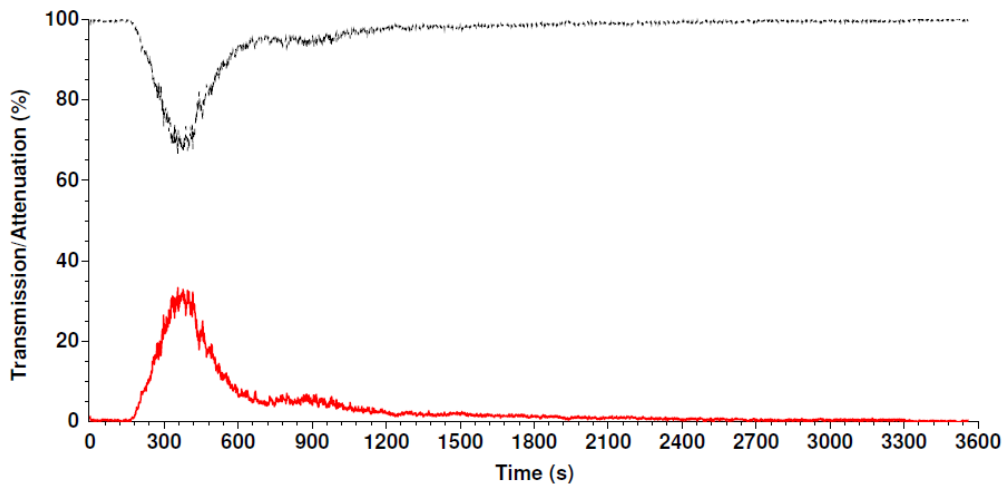
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Sample 1 Length
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\23010009.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	201	12.0	2.417	510	2362	3.3	7.818
110	285	11.1	3.167	560	-	2.7	-
160	356	10.3	3.671	610	-	2.3	-
210	424	9.4	3.981	660	-	1.9	-
260	585	8.3	4.828	710	-	1.6	-
310	868	7.2	6.230	760	-	1.4	-
360	1129	6.0	6.808	810	-	1.2	-
410	1463	5.0	7.261	860	-	1.1	-
460	1800	4.1	7.321	910	-	1.0	-



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 63 minutes 28 seconds (3808 s)
Extent of burning (mm)	: 540
Critical flux at extinguishment (kW/m ²)	: 2.97
HF-10 (kW/m ²)	: 8.71
HF-20 (kW/m ²)	: 6.03
HF-30 (kW/m ²)	: 4.43
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 440
Peak light attenuation (%)	: 38.5
Time to peak light attenuation	: 5 minutes 42 seconds (342 s)
Total integrated smoke (%.min)	: 199.59



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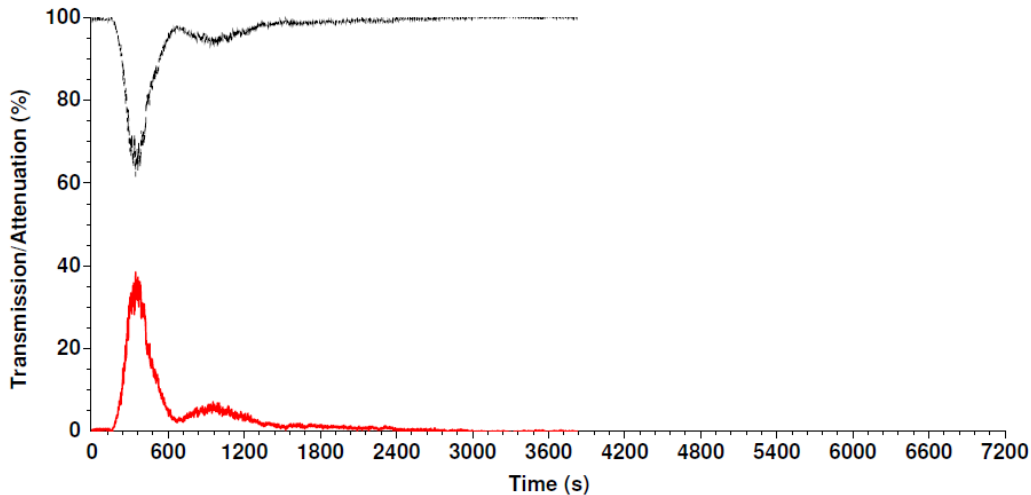
Sample 1 Width

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\23010010.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	12.0	2.814	510	2897	3.3	9.589
110	382	11.1	4.246	560	-	2.7	-
160	462	10.3	4.764	610	-	2.3	-
210	462	9.4	4.338	660	-	1.9	-
260	696	8.3	5.744	710	-	1.6	-
310	862	7.2	6.187	760	-	1.4	-
360	1203	6.0	7.254	810	-	1.2	-
410	1621	5.0	8.045	860	-	1.1	-
460	2108	4.1	8.573	910	-	1.0	-



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Sample 2 Length

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 53 minutes 01 seconds (3181 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.31
HF-10 (kW/m ²)	: 8.25
HF-20 (kW/m ²)	: 6.03
HF-30 (kW/m ²)	: 4.25
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 450
Peak light attenuation (%)	: 40.6
Time to peak light attenuation	: 6 minutes 04 seconds (364 s)
Total integrated smoke (%.min)	: 186.13



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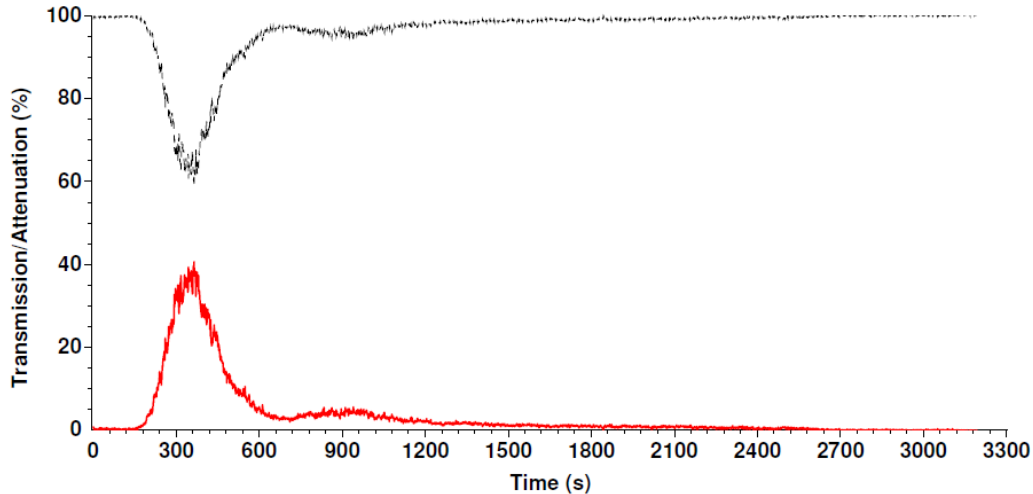
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Sample 2 Length
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Smoke Graph



Test name : LENGTH2
 File name : C:\FRPSOFT\DATA\23010011.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	184	12.0	2.213	510	2608	3.3	8.632
110	303	11.1	3.368	560	-	2.7	-
160	325	10.3	3.351	610	-	2.3	-
210	417	9.4	3.915	660	-	1.9	-
260	593	8.3	4.894	710	-	1.6	-
310	791	7.2	5.677	760	-	1.4	-
360	1089	6.0	6.567	810	-	1.2	-
410	1451	5.0	7.201	860	-	1.1	-
460	1947	4.1	7.918	910	-	1.0	-



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Sample 3 Length

Test Results

Time to ignition	: 2 minutes 15 seconds (135 s)
Time to flameout	: 59 minutes 05 seconds (3545 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.31
HF-10 (kW/m ²)	: 8.25
HF-20 (kW/m ²)	: 5.39
HF-30 (kW/m ²)	: 4.43
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 390
Flame spread at 30 minutes (mm)	: 440
Peak light attenuation (%)	: 39.19
Time to peak light attenuation	: 5 minutes 18 seconds (318 s)
Total integrated smoke (%.min)	: 209.43



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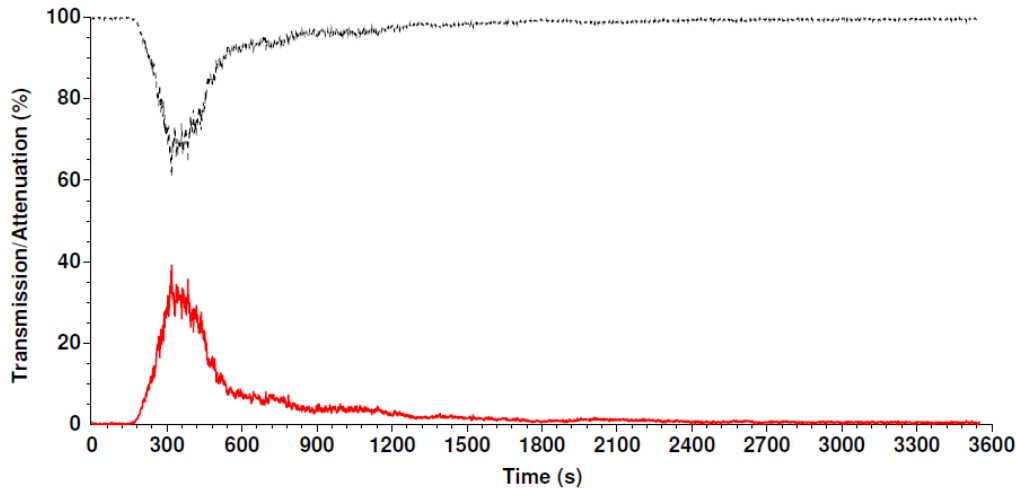
Sample 3 Length

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Smoke Graph



Test name : LENGTH3
 File name : C:\FRPSOFT\DATA\23010012.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	206	12.0	2.477	510	2711	3.3	8.973
110	266	11.1	2.956	560	-	2.7	-
160	317	10.3	3.269	610	-	2.3	-
210	398	9.4	3.737	660	-	1.9	-
260	582	8.3	4.803	710	-	1.6	-
310	780	7.2	5.598	760	-	1.4	-
360	1068	6.0	6.440	810	-	1.2	-
410	1504	5.0	7.464	860	-	1.1	-
460	2326	4.1	9.460	910	-	1.0	-

END OF REPORT