



TEST REPORT

Sample	Interface Australia PTY LTD	Test Report No:	R23-165
Manufacturing:	34 Airds Road Minto	Sample Received Date:	13/07/2023
	NSW 2566	Test Date:	9/11/2023
	Australia	Report Date:	10/11/2023

Sample	Client Reference: "ANTIQUITIES"	Test Sponsor:
Description:	Loop Pile Carpet Tile	
	100% Solution Dyed Nylon 6	Interface Australia
	949g/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	-	-	-	kW/m ²
Width	4.3	3.8	4.3	4.1	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	185	-	-	-	%.min
Width	202	197	204	201	%.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 17 seconds (137 s)
Time to flameout	: 45 minutes 52 seconds (2752 s)
Extent of burning (mm)	: 440
Critical flux at extinguishment (kW/m ²)	: 4.42
HF-10 (kW/m ²)	: 8.68
HF-20 (kW/m ²)	: 6.18
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 240
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 32.27
Time to peak light attenuation	: 7 minutes 12 seconds (432 s)
Total integrated smoke (%.min)	: 184.52

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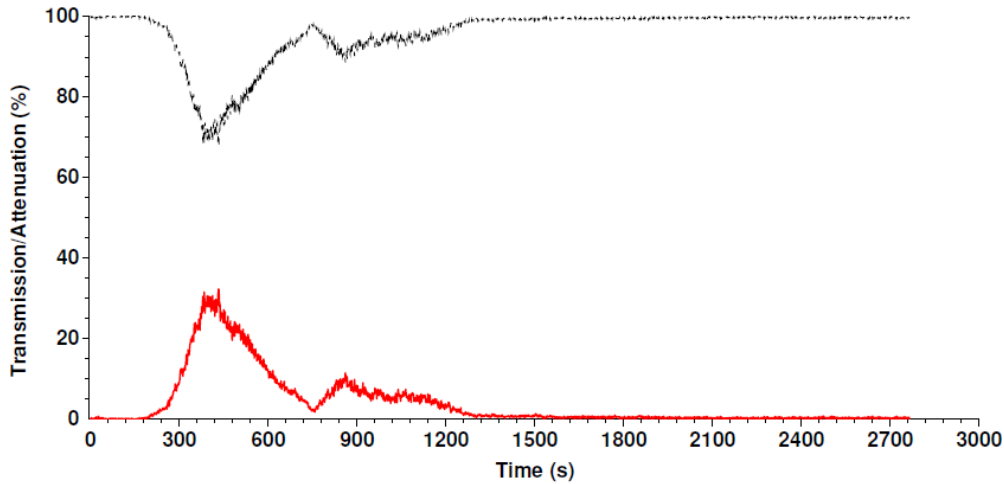
Sample 1 Length

Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\23110017.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	274	11.9	3.262	510	-	3.3	-
110	356	11.0	3.929	560	-	2.8	-
160	424	10.3	4.359	610	-	2.3	-
210	530	9.4	4.985	660	-	1.9	-
260	731	8.2	5.993	710	-	1.6	-
310	967	7.1	6.821	760	-	1.4	-
360	1258	6.0	7.493	810	-	1.2	-
410	2123	4.9	10.483	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-

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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 11 seconds (131 s)
Time to flameout	: 57 minutes 09 seconds (3429 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.25
HF-10 (kW/m ²)	: 8.20
HF-20 (kW/m ²)	: 6.18
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 34.54
Time to peak light attenuation	: 7 minutes 49 seconds (469 s)
Total integrated smoke (%.min)	: 202.02

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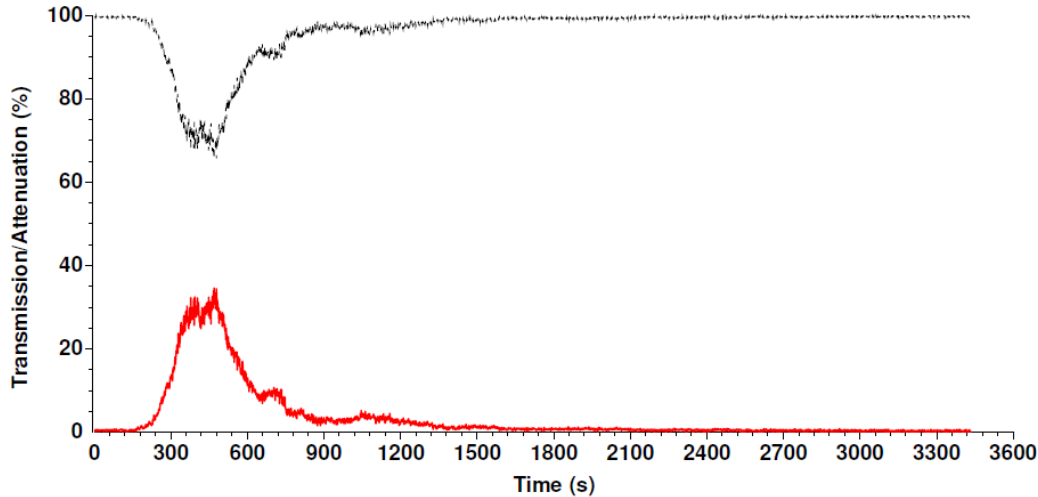
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Sample 1 Width
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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\23110018.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	269	11.9	3.202	510	-	3.3	-
110	337	11.0	3.719	560	-	2.8	-
160	412	10.3	4.236	610	-	2.3	-
210	478	9.4	4.496	660	-	1.9	-
260	587	8.2	4.813	710	-	1.6	-
310	908	7.1	6.405	760	-	1.4	-
360	1340	6.0	7.981	810	-	1.2	-
410	1872	4.9	9.244	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-

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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 16 seconds (136 s)
Time to flameout	: 50 minutes 09 seconds (3009 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.78
HF-10 (kW/m ²)	: 8.44
HF-20 (kW/m ²)	: 6.18
HF-30 (kW/m ²)	: 5.14
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 400
Peak light attenuation (%)	: 37.04
Time to peak light attenuation	: 6 minutes 59 seconds (419 s)
Total integrated smoke (%.min)	: 197.08

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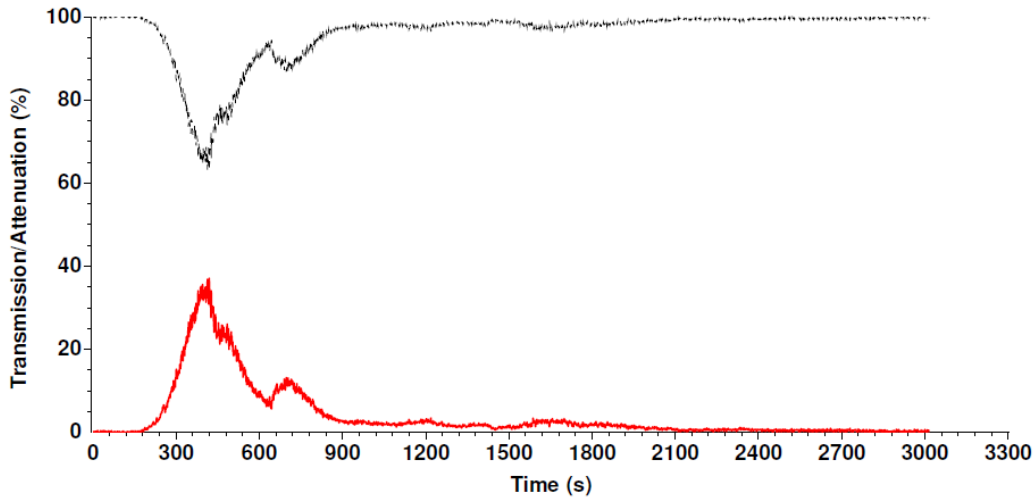
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Sample 2 Width
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Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\23110019.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	11.9	2.286	510	-	3.3	-
110	349	11.0	3.852	560	-	2.8	-
160	395	10.3	4.061	610	-	2.3	-
210	450	9.4	4.232	660	-	1.9	-
260	614	8.2	5.034	710	-	1.6	-
310	929	7.1	6.553	760	-	1.4	-
360	1376	6.0	8.195	810	-	1.2	-
410	1852	4.9	9.145	860	-	1.1	-
460	2530	4.1	10.302	910	-	1.0	-

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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 13 seconds (133 s)
Time to flameout	: 54 minutes 22 seconds (3262 s)
Extent of burning (mm)	: 450
Critical flux at extinguishment (kW/m ²)	: 4.25
HF-10 (kW/m ²)	: 8.44
HF-20 (kW/m ²)	: 5.96
HF-30 (kW/m ²)	: 4.76
Flame spread at 10 minutes (mm)	: 250
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 420
Peak light attenuation (%)	: 32.11
Time to peak light attenuation	: 6 minutes 05 seconds (365 s)
Total integrated smoke (%.min)	: 203.88

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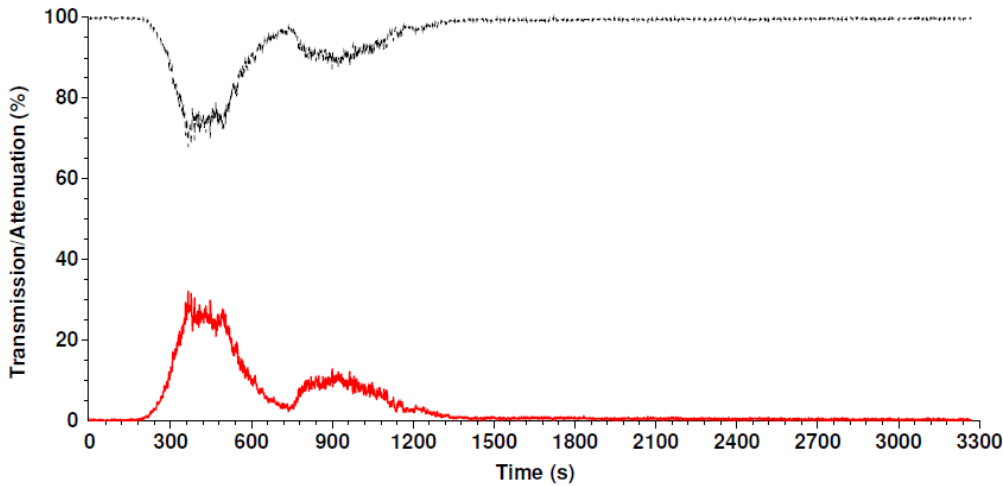
Sample 3 Width

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Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\23110020.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	193	11.9	2.297	510	-	3.3	-
110	282	11.0	3.112	560	-	2.8	-
160	362	10.3	3.722	610	-	2.3	-
210	503	9.4	4.731	660	-	1.9	-
260	726	8.2	5.952	710	-	1.6	-
310	942	7.1	6.645	760	-	1.4	-
360	1090	6.0	6.492	810	-	1.2	-
410	1539	4.9	7.600	860	-	1.1	-
460	-	4.1	-	910	-	1.0	-

END OF REPORT

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