



TEST REPORT

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

Test Report No: R22-008
Sample Received Date: 10/11/2021
Test Date: 18/01/2022
Report Date: 21/01/2022

Sample Description: Client Reference: "OPEN AIR 404 ACCENT"
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	3.9	-	-	-	kW/m ²
Width	3.3	3.6	3.8	3.6	kW/m ²

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	147	-	-	-	%.min
Width	165	172	163	167	%.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 41 seconds (161 s)
Time to flameout	: 45 minutes 44 seconds (2744 s)
Extent of burning (mm)	: 470
Critical flux at extinguishment (kW/m ²)	: 3.92
HF-10 (kW/m ²)	: 9.23
HF-20 (kW/m ²)	: 6.24
HF-30 (kW/m ²)	: 4.24
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 450
Peak light attenuation (%)	: 29.98
Time to peak light attenuation	: 6 minutes 16 seconds (376 s)
Total integrated smoke (%.min)	: 147.34



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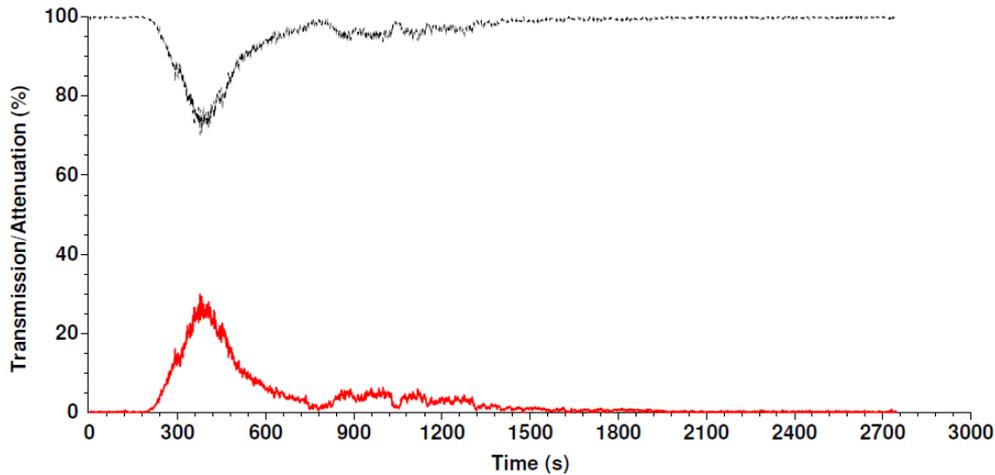
Sample 1 Length

Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

page 3

Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\22010009.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	12.2	2.522	510	-	3.3	-
110	315	11.3	3.554	560	-	2.8	-
160	419	10.4	4.372	610	-	2.3	-
210	586	9.5	5.547	660	-	1.9	-
260	849	8.3	7.035	710	-	1.6	-
310	999	7.2	7.158	760	-	1.4	-
360	1243	6.0	7.475	810	-	1.2	-
410	1550	4.9	7.660	860	-	1.1	-
460	2251	4.1	9.148	910	-	0.9	-



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Sample 1 Width

Test Results

Time to ignition	: 2 minutes 27 seconds (147 s)
Time to flameout	: 47 minutes 20 seconds (2840 s)
Extent of burning (mm)	: 510
Critical flux at extinguishment (kW/m ²)	: 3.33
HF-10 (kW/m ²)	: 8.29
HF-20 (kW/m ²)	: 6.01
HF-30 (kW/m ²)	: 4.24
Flame spread at 10 minutes (mm)	: 260
Flame spread at 20 minutes (mm)	: 360
Flame spread at 30 minutes (mm)	: 450
Peak light attenuation (%)	: 40.25
Time to peak light attenuation	: 6 minutes 17 seconds (377 s)
Total integrated smoke (%.min)	: 165.46



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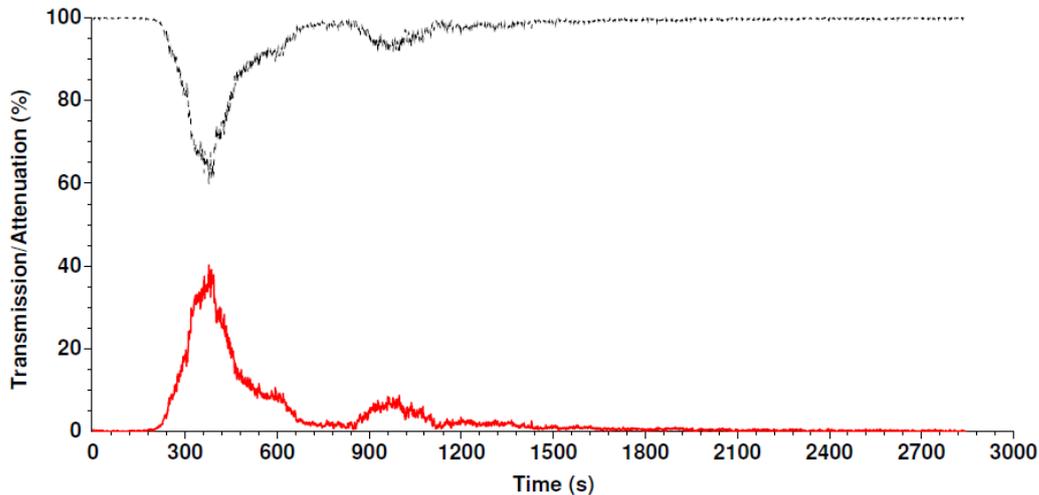
Sample 1 Width

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Report produced with the Fire Testing Technology FRPSoft software

page 3

Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\22010010.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	224	12.2	2.742	510	2675	3.3	8.897
110	316	11.3	3.566	560	-	2.8	-
160	364	10.4	3.798	610	-	2.3	-
210	426	9.5	4.033	660	-	1.9	-
260	554	8.3	4.590	710	-	1.6	-
310	927	7.2	6.642	760	-	1.4	-
360	1188	6.0	7.145	810	-	1.2	-
410	1560	4.9	7.710	860	-	1.1	-
460	1874	4.1	7.616	910	-	0.9	-



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Sample 2 Width

Test Results

Time to ignition	: 2 minutes 29 seconds (149 s)
Time to flameout	: 53 minutes 26 seconds (3206 s)
Extent of burning (mm)	: 490
Critical flux at extinguishment (kW/m ²)	: 3.62
HF-10 (kW/m ²)	: 8.99
HF-20 (kW/m ²)	: 6.24
HF-30 (kW/m ²)	: 4.59
Flame spread at 10 minutes (mm)	: 230
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 430
Peak light attenuation (%)	: 30.18
Time to peak light attenuation	: 5 minutes 52 seconds (352 s)
Total integrated smoke (%.min)	: 172.43



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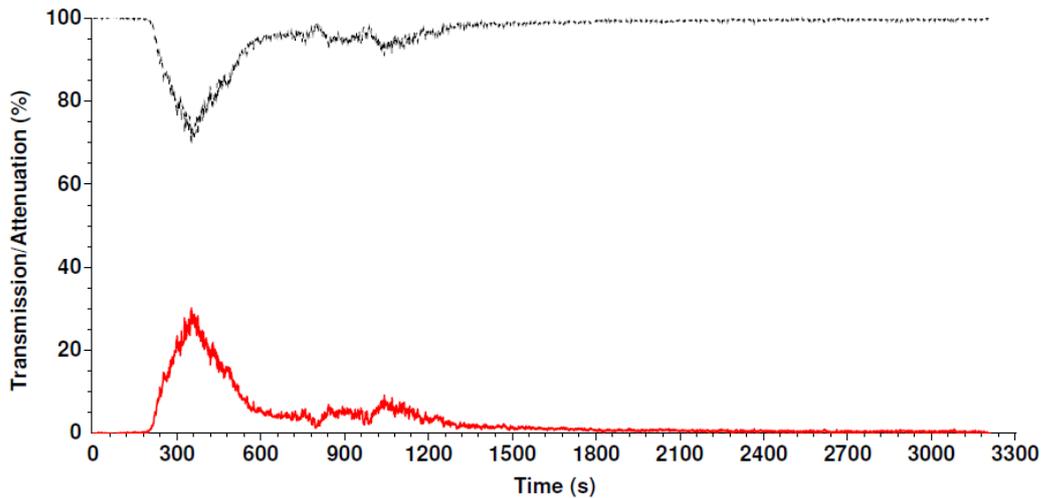
Sample 2 Width

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Report produced with the Fire Testing Technology FRPSoft software

page 3

Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\22010011.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	232	12.2	2.840	510	-	3.3	-
110	288	11.3	3.250	560	-	2.8	-
160	369	10.4	3.851	610	-	2.3	-
210	522	9.5	4.941	660	-	1.9	-
260	813	8.3	6.737	710	-	1.6	-
310	979	7.2	7.015	760	-	1.4	-
360	1265	6.0	7.608	810	-	1.2	-
410	1671	4.9	8.258	860	-	1.1	-
460	2193	4.1	8.912	910	-	0.9	-



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Sample 3 Width

Test Results

Time to ignition	: 2 minutes 33 seconds (153 s)
Time to flameout	: 43 minutes 52 seconds (2632 s)
Extent of burning (mm)	: 480
Critical flux at extinguishment (kW/m ²)	: 3.77
HF-10 (kW/m ²)	: 9.23
HF-20 (kW/m ²)	: 6.24
HF-30 (kW/m ²)	: 4.59
Flame spread at 10 minutes (mm)	: 220
Flame spread at 20 minutes (mm)	: 350
Flame spread at 30 minutes (mm)	: 430
Peak light attenuation (%)	: 30.88
Time to peak light attenuation	: 5 minutes 47 seconds (347 s)
Total integrated smoke (%.min)	: 163.05



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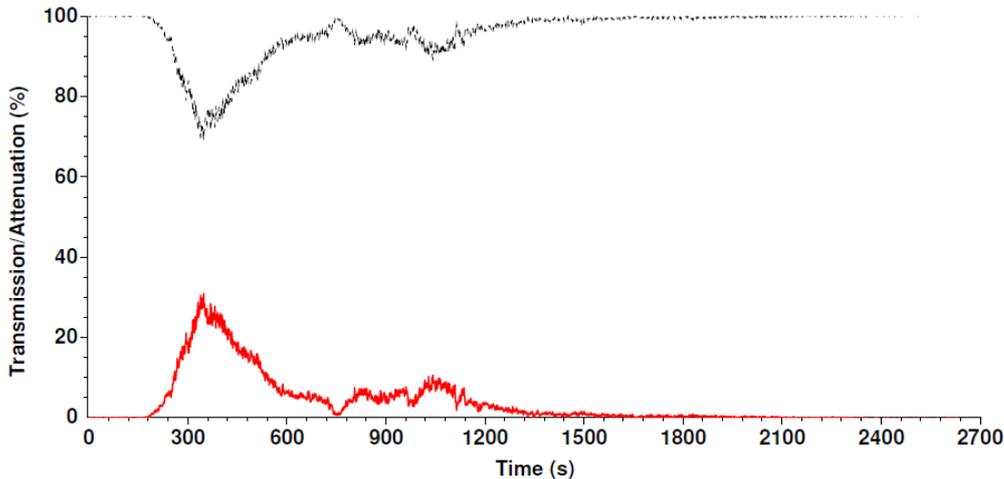
Sample 3 Width

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Report produced with the Fire Testing Technology FRPSoft software

page 3

Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\22010012.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	12.2	2.705	510	-	3.3	-
110	341	11.3	3.848	560	-	2.8	-
160	395	10.4	4.122	610	-	2.3	-
210	509	9.5	4.818	660	-	1.9	-
260	826	8.3	6.844	710	-	1.6	-
310	988	7.2	7.079	760	-	1.4	-
360	1249	6.0	7.511	810	-	1.2	-
410	1610	4.9	7.957	860	-	1.1	-
460	2107	4.1	8.563	910	-	0.9	-

END OF REPORT