



TEST REPORT

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

Test Report No: R23-170
Sample Received Date: 13/07/2023
Test Date: 21/11/2023
Report Date: 11/12/2023

Sample Description: Client Reference: "UNSPOOLED"
Loop Pile Carpet Tile
100% Solution Dyed Nylon 6
1119g/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 | 5.3 | - | - | - | kW/m ² |
| Width | 4.0 | 3.7 | 3.9 | 3.9 | kW/m ² |

| Smoke Value | Sample 1 | Sample 2 | Sample 3 | Mean | |
|-------------|----------|----------|----------|------|-------|
| Length | 212 | - | - | - | %.min |
| Width | 216 | 205 | 206 | 209 | %.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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Sample 1 Length

Test Results

| | |
|--|----------------------------------|
| Time to ignition | : 2 minutes 15 seconds (135 s) |
| Time to flameout | : 36 minutes 40 seconds (2200 s) |
| Extent of burning (mm) | : 390 |
| Critical flux at extinguishment (kW/m ²) | : 5.28 |
| HF-10 (kW/m ²) | : 8.14 |
| HF-20 (kW/m ²) | : 6.10 |
| HF-30 (kW/m ²) | : 5.28 |
| Flame spread at 10 minutes (mm) | : 260 |
| Flame spread at 20 minutes (mm) | : 350 |
| Flame spread at 30 minutes (mm) | : 390 |
| Peak light attenuation (%) | : 41.83 |
| Time to peak light attenuation | : 7 minutes 26 seconds (446 s) |
| Total integrated smoke (%.min) | : 211.96 |

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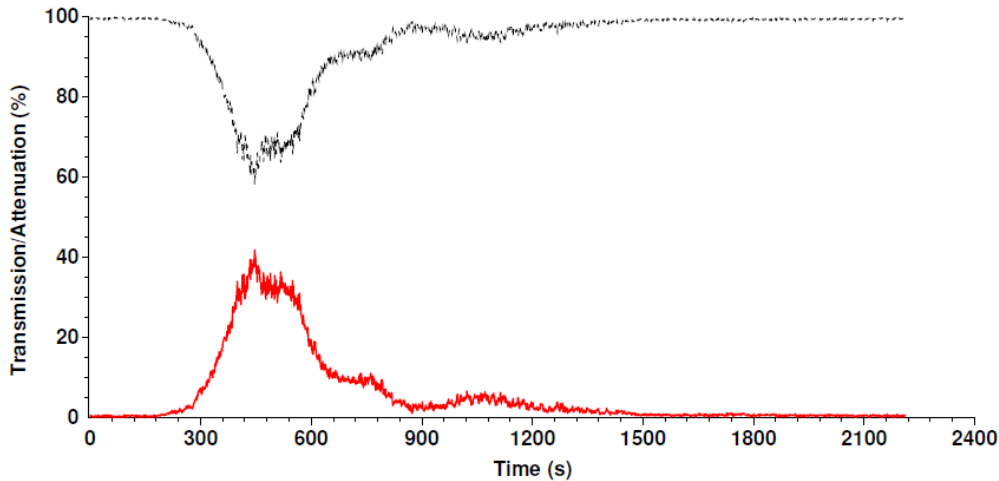
Sample 1 Length

Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

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Smoke Graph



Test name : LENGTH1
 File name : C:\FRPSOFT\DATA\23110037.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 | 310 | 12.3 | 3.824 | 510 | - | 3.3 | - |
| 110 | 361 | 11.3 | 4.083 | 560 | - | 2.7 | - |
| 160 | 422 | 10.4 | 4.388 | 610 | - | 2.3 | - |
| 210 | 493 | 9.4 | 4.615 | 660 | - | 1.9 | - |
| 260 | 583 | 8.1 | 4.744 | 710 | - | 1.7 | - |
| 310 | 890 | 7.0 | 6.206 | 760 | - | 1.4 | - |
| 360 | 1358 | 5.9 | 7.995 | 810 | - | 1.3 | - |
| 410 | - | 4.9 | - | 860 | - | 1.1 | - |
| 460 | - | 4.0 | - | 910 | - | 1.0 | - |

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Sample 1 Width

Test Results

| | |
|--|----------------------------------|
| Time to ignition | : 2 minutes 16 seconds (136 s) |
| Time to flameout | : 56 minutes 38 seconds (3398 s) |
| Extent of burning (mm) | : 460 |
| Critical flux at extinguishment (kW/m ²) | : 4.00 |
| HF-10 (kW/m ²) | : 8.63 |
| HF-20 (kW/m ²) | : 6.32 |
| HF-30 (kW/m ²) | : 5.28 |
| Flame spread at 10 minutes (mm) | : 240 |
| Flame spread at 20 minutes (mm) | : 340 |
| Flame spread at 30 minutes (mm) | : 390 |
| Peak light attenuation (%) | : 36.26 |
| Time to peak light attenuation | : 7 minutes 18 seconds (438 s) |
| Total integrated smoke (%.min) | : 215.95 |

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TEST REPORT

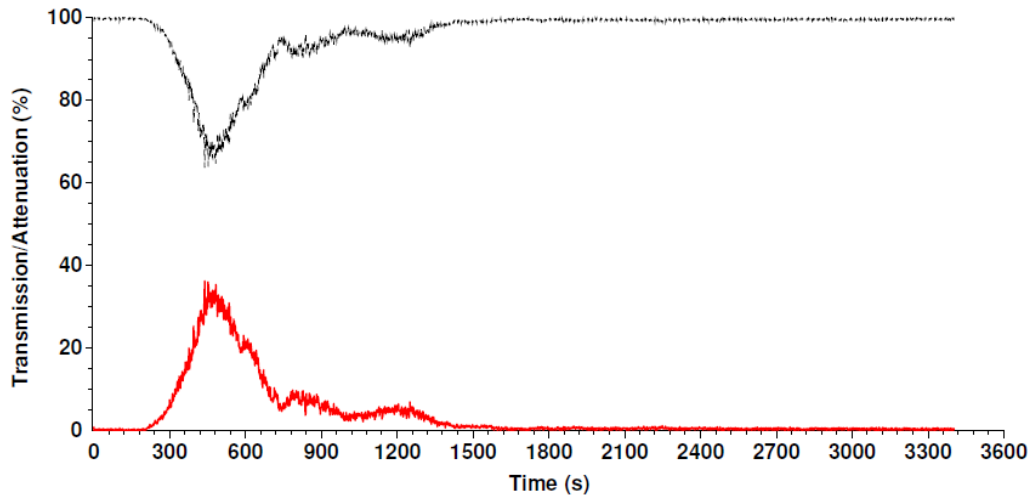
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Sample 1 Width
Light Attenuation Over Time and Rake Results

Report produced with the Fire Testing Technology FRPSoft software

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Smoke Graph



Test name : WIDTH1
 File name : C:\FRPSOFT\DATA\23110038.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 | 273 | 12.3 | 3.368 | 510 | - | 3.3 | - |
| 110 | 414 | 11.3 | 4.683 | 560 | - | 2.7 | - |
| 160 | 457 | 10.4 | 4.751 | 610 | - | 2.3 | - |
| 210 | 579 | 9.4 | 5.421 | 660 | - | 1.9 | - |
| 260 | 726 | 8.1 | 5.908 | 710 | - | 1.7 | - |
| 310 | 954 | 7.0 | 6.652 | 760 | - | 1.4 | - |
| 360 | 1330 | 5.9 | 7.830 | 810 | - | 1.3 | - |
| 410 | 2056 | 4.9 | 10.037 | 860 | - | 1.1 | - |
| 460 | 3001 | 4.0 | 11.998 | 910 | - | 1.0 | - |

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Sample 2 Width

Test Results

| | |
|--|----------------------------------|
| Time to ignition | : 2 minutes 15 seconds (135 s) |
| Time to flameout | : 71 minutes 02 seconds (4262 s) |
| Extent of burning (mm) | : 480 |
| Critical flux at extinguishment (kW/m ²) | : 3.70 |
| HF-10 (kW/m ²) | : 7.91 |
| HF-20 (kW/m ²) | : 6.32 |
| HF-30 (kW/m ²) | : 5.28 |
| Flame spread at 10 minutes (mm) | : 270 |
| Flame spread at 20 minutes (mm) | : 340 |
| Flame spread at 30 minutes (mm) | : 390 |
| Peak light attenuation (%) | : 35.16 |
| Time to peak light attenuation | : 7 minutes 10 seconds (430 s) |
| Total integrated smoke (%.min) | : 204.72 |

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SYDNEY CARPET LABORATORY

OF INTERFACE AUST. PTY LIMITED - ABN 39 000 692 026

34 AIRDS ROAD, MINTO NSW 2566 - TEL: (02) 8706 4632

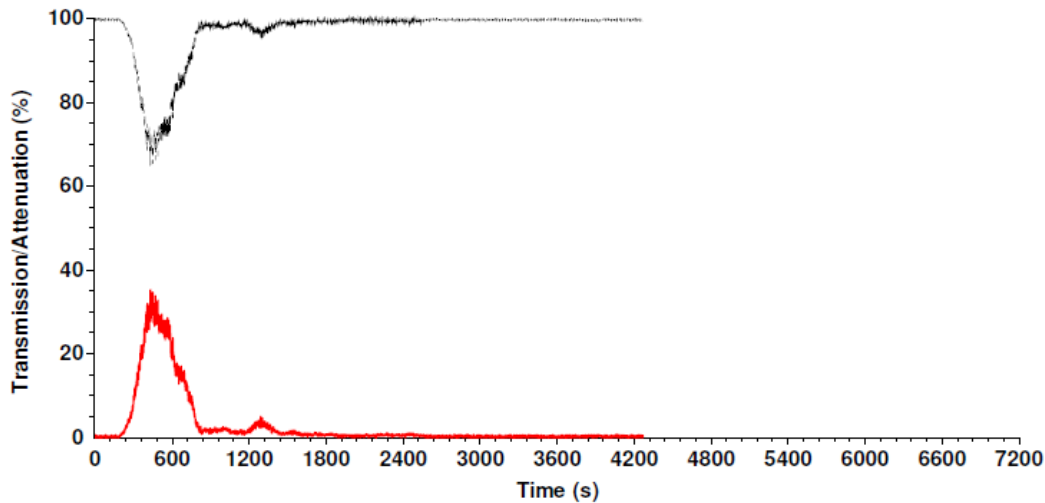
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Sample 2 Width

Light Attenuation Over Time and Rake Results

Smoke Graph



Test name : WIDTH2
 File name : C:\FRPSOFT\DATA\23110039.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 | 273 | 12.3 | 3.368 | 510 | - | 3.3 | - |
| 110 | 344 | 11.3 | 3.891 | 560 | - | 2.7 | - |
| 160 | 424 | 10.4 | 4.408 | 610 | - | 2.3 | - |
| 210 | 493 | 9.4 | 4.615 | 660 | - | 1.9 | - |
| 260 | 543 | 8.1 | 4.419 | 710 | - | 1.7 | - |
| 310 | 779 | 7.0 | 5.432 | 760 | - | 1.4 | - |
| 360 | 1347 | 5.9 | 7.930 | 810 | - | 1.3 | - |
| 410 | 2147 | 4.9 | 10.482 | 860 | - | 1.1 | - |
| 460 | 3009 | 4.0 | 12.030 | 910 | - | 1.0 | - |

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Sample 3 Width

Test Results

| | |
|--|----------------------------------|
| Time to ignition | : 2 minutes 16 seconds (136 s) |
| Time to flameout | : 70 minutes 55 seconds (4255 s) |
| Extent of burning (mm) | : 470 |
| Critical flux at extinguishment (kW/m ²) | : 3.85 |
| HF-10 (kW/m ²) | : 8.38 |
| HF-20 (kW/m ²) | : 6.32 |
| HF-30 (kW/m ²) | : 5.49 |
| Flame spread at 10 minutes (mm) | : 250 |
| Flame spread at 20 minutes (mm) | : 340 |
| Flame spread at 30 minutes (mm) | : 380 |
| Peak light attenuation (%) | : 36.39 |
| Time to peak light attenuation | : 7 minutes 29 seconds (449 s) |
| Total integrated smoke (%.min) | : 205.88 |

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TEST REPORT

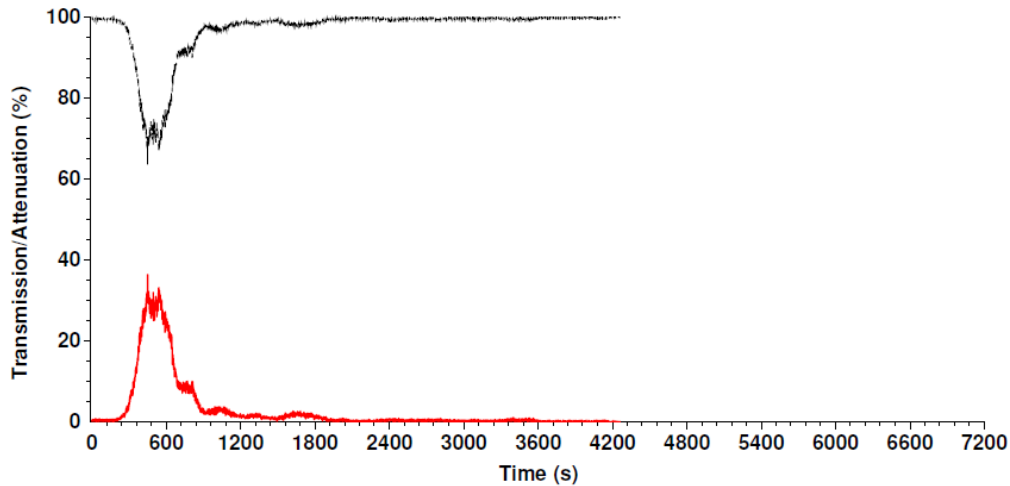
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Sample 3 Width
Light Attenuation Over Time and Rake Results

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Smoke Graph



Test name : WIDTH3
 File name : C:\FRPSOFT\DATA\23110040.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 | 299 | 12.3 | 3.688 | 510 | - | 3.3 | - |
| 110 | 352 | 11.3 | 3.981 | 560 | - | 2.7 | - |
| 160 | 459 | 10.4 | 4.772 | 610 | - | 2.3 | - |
| 210 | 532 | 9.4 | 4.981 | 660 | - | 1.9 | - |
| 260 | 643 | 8.1 | 5.233 | 710 | - | 1.7 | - |
| 310 | 920 | 7.0 | 6.415 | 760 | - | 1.4 | - |
| 360 | 1485 | 5.9 | 8.742 | 810 | - | 1.3 | - |
| 410 | 2131 | 4.9 | 10.404 | 860 | - | 1.1 | - |
| 460 | 2922 | 4.0 | 11.682 | 910 | - | 1.0 | - |

END OF REPORT

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