



## TEST REPORT

Client: Interface Australia PTY LTD  
34 Airds Road  
Minto NSW 2566

Test Report No: D11-17-051  
Sample Received date: 18/08/2017  
Test Date: 14/09/2017  
Report Date: 20/09/2017

Sample Description: Client Reference: "Rue"  
100% Solution Dyed Nylon 6  
915g/m<sup>2</sup> on a Glasbac Backing

AS ISO 9239.1: 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	4.5	4.2	4.2	4.3	kW/m <sup>2</sup>
Width	4.9	-	-	4.9	kW/m <sup>2</sup>

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	259	249	271	260	%.min
Width	260	-	-	260	%.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 48 hours prior to testing.

Each Specimen was adhered to a substrate of 9mm thick fibre cement board using Intertac adhesive.



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### Sample 1 Length

#### Rake Results

Position (mm)	Time (s)
60	244
110	263
160	361
210	459
260	524
310	732
360	879
410	1196
460	-
510	-
560	-

#### Test Results

Flame Spread at 10 minutes (mm): 290  
Flame Spread at 20minutes (mm): 420  
Flame Spread at 30minutes (mm): Not measured

Heat Flux at 10 minutes – HF-10 (kW/m<sup>2</sup>): 7.41  
Heat Flux at 20 minutes – HF-20 (kW/m<sup>2</sup>): 4.88  
Heat Flux at 30 minutes – HF-30 (kW/m<sup>2</sup>): Not calculated (test duration <30 minutes)

Final Flame Spread Distance (mm): 440  
Critical Heat Flux – CHF (kW/m<sup>2</sup>): 4.53

Extinguishing Time (s): 1631

Maximum Light Attenuation (%): 44.15  
Integrated Smoke Value (%.min): 259.29



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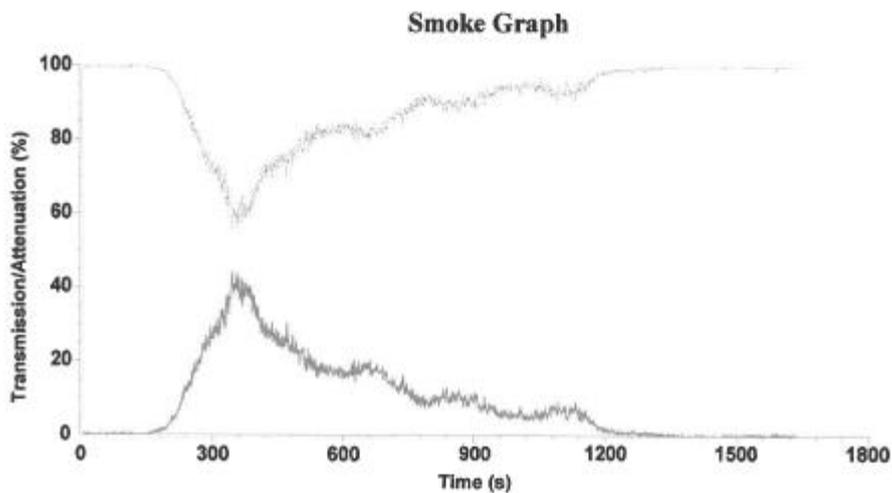
Test Report No: D11-17-051  
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### Sample 1 Length

### Light Attenuation Over Time

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Test name : LENGTH 1  
File name : C:\FRPSOFT\DATA\17090021.CSV



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### Sample 1 Width

### Rake Results

Position (mm)	Time (s)
60	211
110	263
160	330
210	488
260	549
310	747
360	953
410	1137
460	-
510	-
560	-

### Test Results

Flame Spread at 10 minutes (mm): 270  
Flame Spread at 20minutes (mm): 420  
Flame Spread at 30minutes (mm): Not measured

Heat Flux at 10 minutes – HF-10 (kW/m<sup>2</sup>): 7.87  
Heat Flux at 20 minutes – HF-20 (kW/m<sup>2</sup>): 4.88  
Heat Flux at 30 minutes – HF-30 (kW/m<sup>2</sup>): Not calculated (test duration <30 minutes)

Final Flame Spread Distance (mm): 420  
Critical Heat Flux – CHF (kW/m<sup>2</sup>): 4.88

Extinguishing Time (s): 1377

Maximum Light Attenuation (%): 45.15  
Integrated Smoke Value (%.min): 260.43



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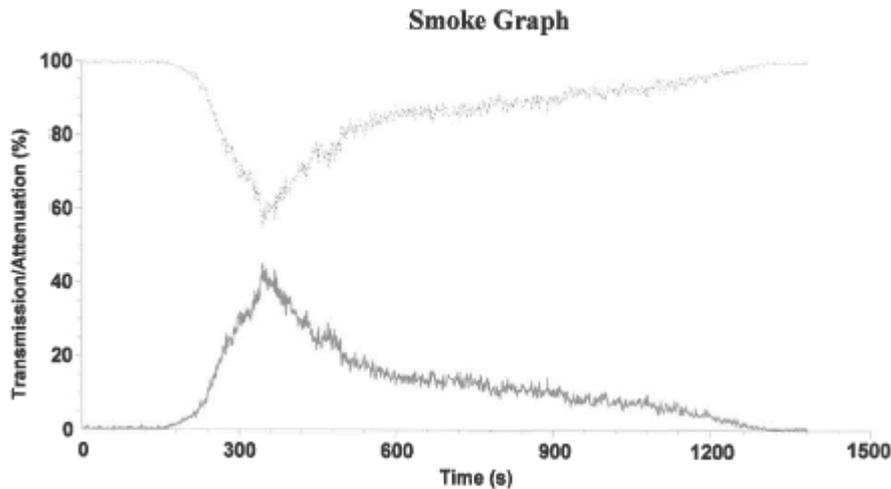
Test Report No: D11-17-051  
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### Sample 1 Width

### Light Attenuation Over Time

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Test name : RUE  
File name : C:\FRPSOFT\DATA\17090022.CSV



## TEST REPORT

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### Sample 2 Length

### Rake Results

Position (mm)	Time (s)
60	186
110	261
160	326
210	405
260	562
310	735
360	928
410	1119
460	1434
510	-
560	-

### Test Results

Flame Spread at 10 minutes (mm): 280  
Flame Spread at 20minutes (mm): 420  
Flame Spread at 30minutes (mm): Not measured

Heat Flux at 10 minutes – HF-10 (kW/m<sup>2</sup>): 7.64  
Heat Flux at 20 minutes – HF-20 (kW/m<sup>2</sup>): 4.88  
Heat Flux at 30 minutes – HF-30 (kW/m<sup>2</sup>): Not calculated (test duration <30 minutes)

Final Flame Spread Distance (mm): 460  
Critical Heat Flux – CHF (kW/m<sup>2</sup>): 4.19

Extinguishing Time (s): 1463

Maximum Light Attenuation (%): 45.83  
Integrated Smoke Value (%.min): 249.33



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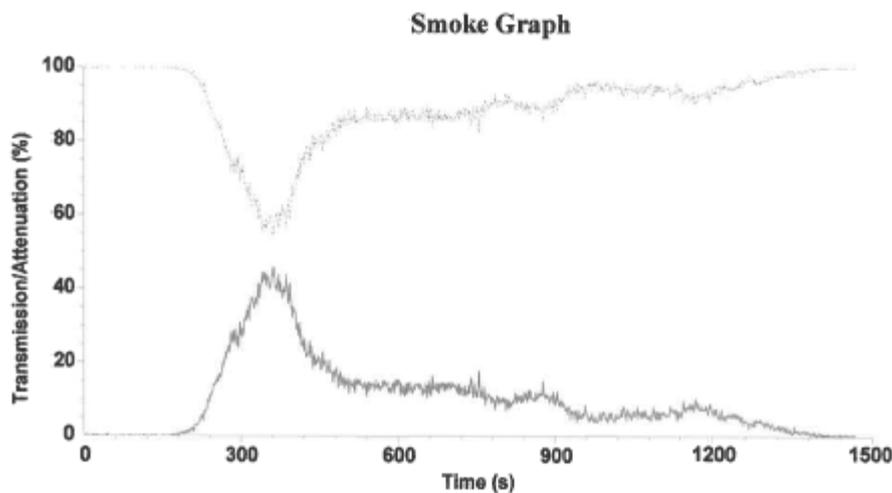
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### Sample 2 Length

### Light Attenuation Over Time

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Test name : LENGTH2  
File name : C:\FRPSOFT\DATA\17090023.CSV



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### Sample 3 Length

#### Rake Results

Position (mm)	Time (s)
60	166
110	266
160	351
210	436
260	574
310	713
360	888
410	1024
460	1462
510	-
560	-

#### Test Results

Flame Spread at 10 minutes (mm): 270  
Flame Spread at 20minutes (mm): 430  
Flame Spread at 30minutes (mm): Not measured

Heat Flux at 10 minutes – HF-10 (kW/m<sup>2</sup>): 7.87  
Heat Flux at 20 minutes – HF-20 (kW/m<sup>2</sup>): 4.70  
Heat Flux at 30 minutes – HF-30 (kW/m<sup>2</sup>): Not calculated (test duration <30 minutes)

Final Flame Spread Distance (mm): 460  
Critical Heat Flux – CHF (kW/m<sup>2</sup>): 4.19

Extinguishing Time (s): 1679

Maximum Light Attenuation (%): 39.26  
Integrated Smoke Value (%.min): 271.38



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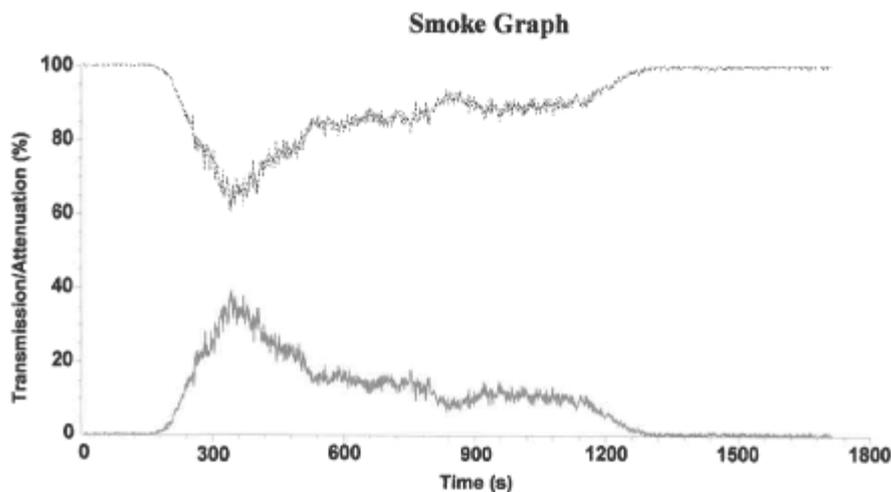
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### Sample 3 Length

### Light Attenuation Over Time

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Test name : LENGTH3  
File name : C:\FRPSOFT\DATA\17090024.CSV