



## TEST REPORT

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

Test Report No: D11-17-049  
Sample Received date: 18/08/2017  
Test Date: 07/09/2017  
Report Date: 20/09/2017

Sample Description: Client Reference: "Flagstone"  
100% Solution Dyed Nylon 6  
780g/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	5.4	5.2	5.1	5.2	kW/m <sup>2</sup>
Width	5.8	-	-	5.8	kW/m <sup>2</sup>

Smoke Value	Sample 1	Sample 2	Sample 3	Mean	
Length	205	221	217	214	%.min
Width	206	-	-	206	%.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	191
110	311
160	389
210	495
260	761
310	952
360	1294
410	-
460	-
510	-
560	-

### Test Results

Flame Spread at 10 minutes (mm): 230  
Flame Spread at 20minutes (mm): 350  
Flame Spread at 30minutes (mm): 390

Heat Flux at 10 minutes – HF-10 (kW/m<sup>2</sup>): 8.84  
Heat Flux at 20 minutes – HF-20 (kW/m<sup>2</sup>): 6.16  
Heat Flux at 30 minutes – HF-30 (kW/m<sup>2</sup>): 5.41

Final Flame Spread Distance (mm): 390  
Critical Heat Flux – CHF (kW/m<sup>2</sup>): 5.41

Extinguishing Time (s): 2334

Maximum Light Attenuation (%): 40.82  
Integrated Smoke Value (%.min): 205.03



# SYDNEY CARPET LABORATORY

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

34 AIRDS ROAD, MINTO NSW 2566 - TEL: (02) 8706 4600 FAX: (02) 8706 4617

## TEST REPORT

Client: Interface Australia PTY LTD  
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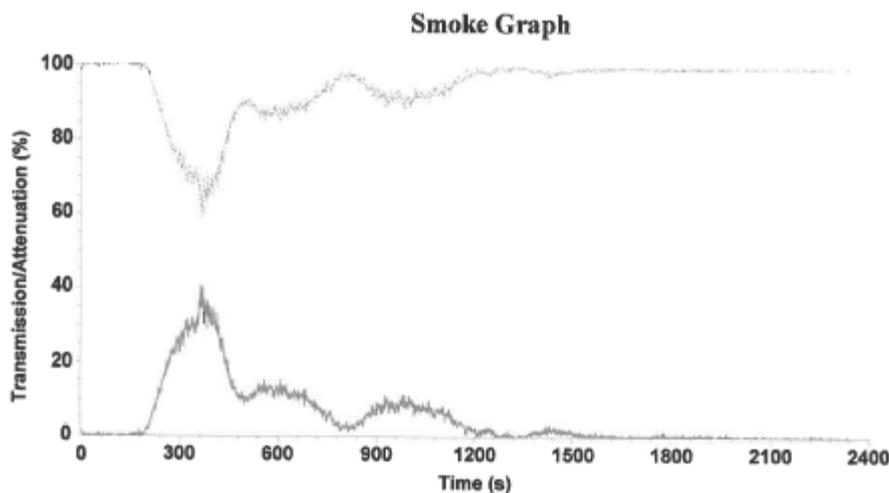
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### Sample 1 Length

### Light Attenuation Over Time

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Test name : LENGTH 1  
File name : C:\FRPSOFT\DATA\17090005.CSV



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### Sample 1 Width

#### Rake Results

Position (mm)	Time (s)
60	211
110	314
160	422
210	595
260	889
310	1155
360	1302
410	-
460	-
510	-
560	-

#### Test Results

Flame Spread at 10 minutes (mm): 220  
Flame Spread at 20minutes (mm): 340  
Flame Spread at 30minutes (mm): Not measured

Heat Flux at 10 minutes – HF-10 (kW/m<sup>2</sup>): 9.08  
Heat Flux at 20 minutes – HF-20 (kW/m<sup>2</sup>): 6.35  
Heat Flux at 30 minutes – HF-30 (kW/m<sup>2</sup>): Not calculated (test duration <30 minutes)

Final Flame Spread Distance (mm): 370  
Critical Heat Flux – CHF (kW/m<sup>2</sup>): 5.78

Extinguishing Time (s): 1700

Maximum Light Attenuation (%): 38.48  
Integrated Smoke Value (%.min): 206.13



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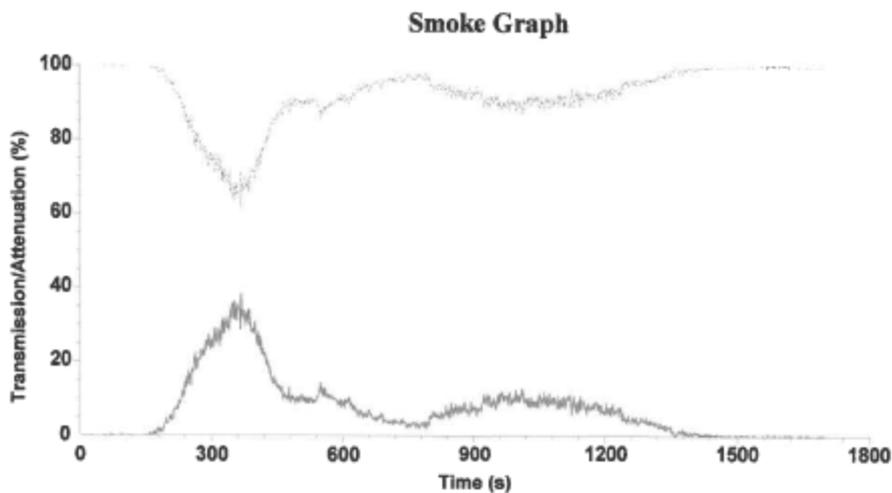
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### Sample 1 Width

### Light Attenuation Over Time

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Test name : WIDTH 1  
File name : C:\FRPSOFT\DATA\17090006.CSV



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### Sample 2 Length

### Rake Results

Position (mm)	Time (s)
60	227
110	335
160	411
210	584
260	884
310	1024
360	1207
410	-
460	-
510	-
560	-

### Test Results

Flame Spread at 10 minutes (mm): 210  
Flame Spread at 20minutes (mm): 360  
Flame Spread at 30minutes (mm): Not Measured

Heat Flux at 10 minutes – HF-10 (kW/m<sup>2</sup>): 9.33  
Heat Flux at 20 minutes – HF-20 (kW/m<sup>2</sup>): 5.96  
Heat Flux at 30 minutes – HF-30 (kW/m<sup>2</sup>): Not Calculated (test duration <30 minutes)

Final Flame Spread Distance (mm): 400  
Critical Heat Flux – CHF (kW/m<sup>2</sup>): 5.23

Extinguishing Time (s): 1747

Maximum Light Attenuation (%): 35.01  
Integrated Smoke Value (%.min): 220.93



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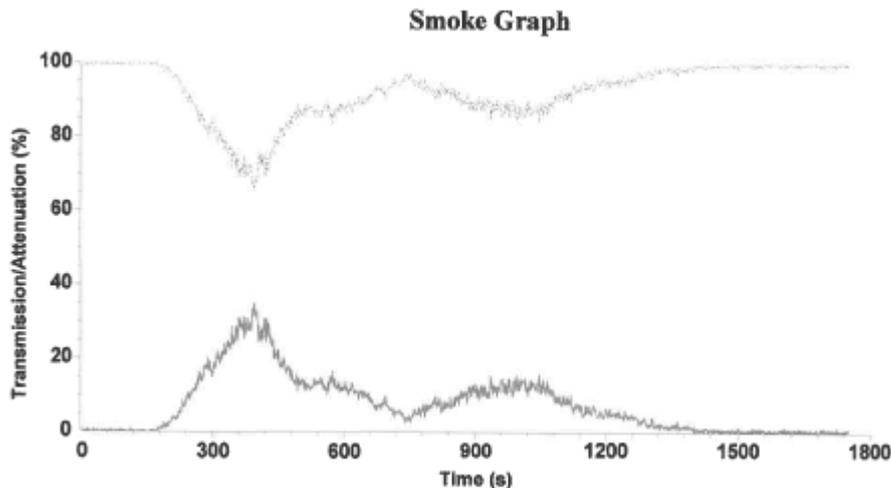
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### Sample 2 Length

### Light Attenuation Over Time

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Test name : LENGTH 2  
File name : C:\FRPSOFT\DATA\17090007.CSV



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### Sample 3 Length

### Rake Results

Position (mm)	Time (s)
60	239
110	285
160	363
210	491
260	736
310	958
360	1089
410	1452
460	-
510	-
560	-

### Test Results

Flame Spread at 10 minutes (mm): 240  
Flame Spread at 20minutes (mm): 370  
Flame Spread at 30minutes (mm): 410

Heat Flux at 10 minutes – HF-10 (kW/m<sup>2</sup>): 8.60  
Heat Flux at 20 minutes – HF-20 (kW/m<sup>2</sup>): 5.78  
Heat Flux at 30 minutes – HF-30 (kW/m<sup>2</sup>): 5.05

Final Flame Spread Distance (mm): 410  
Critical Heat Flux – CHF (kW/m<sup>2</sup>): 5.05

Extinguishing Time (s): 2007

Maximum Light Attenuation (%): 34.31  
Integrated Smoke Value (%.min): 217.48



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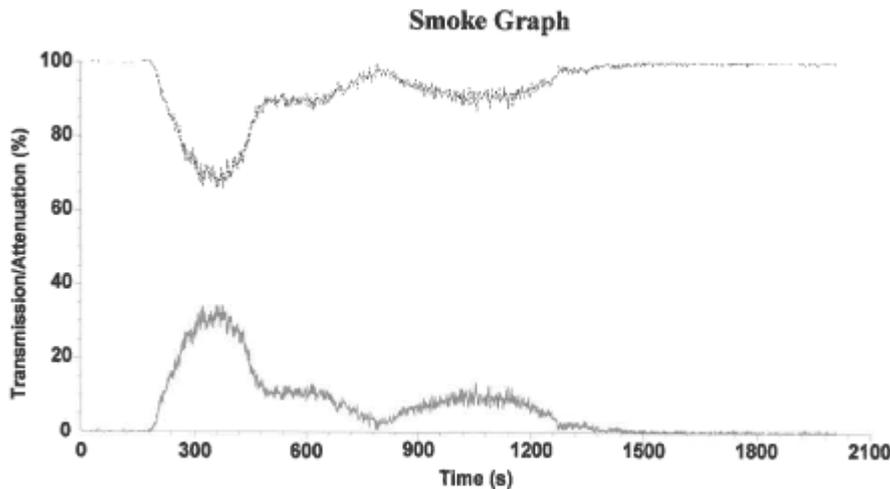
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### Sample 3 Length

### Light Attenuation Over Time

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Test name : LENGTH 3  
File name : C:\FRPSOFT\DATA\17090008.CSV