

CUSTOMER REFERENCE  
**BASE BUILD TILE**

Sample description as provided by customer

Mass/unit area 17 oz/yd<sup>2</sup> g/m<sup>2</sup> Pile Fibre Content 100% SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing TILE BACKING BITUMEN

Style LOOP

Order No. APL 10 G

Colour 195

Pile Height 4 mm

THE SAMPLES TESTED WERE MODULAR CARPET

TEST METHOD AS/ISO 9239.1 2003 Reaction To Fire Tests For Floorings Part 1 Determination of the Burning Behaviour Using a Radiant Heat Source. As required by specification C1.10a of the Building Code of Australia.

Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.

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 the sole criterion for assessing the potential fire hazard of the product in use. Clause 9 of AS/ISO 9239 Part 1

Conditioning as specified in BS EN 13238.2001

Sample submitted Date 30/10/2008

Test Date 17/11/2008

## ASSEMBLY SYSTEM DIRECT STICK

 details below.

The floor covering was directly stuck to the substrate using A WATER BASED SURFACE CONTACT adhesive.

Substrate : Non-combustible

Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.

Sample Cleaned as Specified in ISO 11379.1997

Initial Test Specimen 1 Length Direction Critical Radiant Flux 7.7 kW/m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux 7.8 kW/m<sup>2</sup>  
Full tests carried out in the Length Direction

| SPECIMEN                                   | Length #1 | Length #2 | Length #3 | Mean |
|--|-----------|-----------|-----------|------|
| Critical Radiant Flux (kW/m <sup>2</sup> ) | 7.7       | 7.6       | 8.0       | 7.8  |
| Smoke Development Rate (%.min)             | 389       | 431       | 417       | 412  |

The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia. The Critical Radiant Flux quoted is the value at Flame-Out.

### MEAN CRITICAL RADIANT FLUX 7.8 kW/m<sup>2</sup>

### MEAN SMOKE DEVELOPMENT RATE 412 %.min

OBSERVATIONS THE SAMPLES SHRUNK AWAY FROM THE HEAT SOURCE THEN IGNITED

|   |   |
|---|---|
|  | Authorised Signatory <b>M. B. Webb</b>  |
|   | Technical Manager  |
|   | DATE 17/11/2008    |
|   | Measurement Science and Technology No. 15393  |

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Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).

The laboratory allows the use of this page of the report without the use of page 2.

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**Pyrometer temperature**  
 On calibration 576.6 °C  
 Start of test run 577.2  
 During test run 577.8

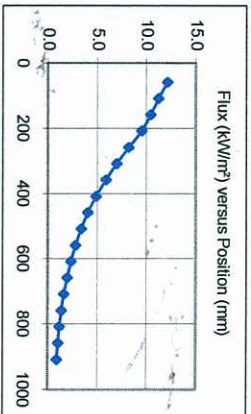
**Chamber temperature**  
 On calibration 99.2 °C  
 Start of test run 100.7  
 During test run 100.9

Clause 7.2.2 AS/ISO 9239 The pyrometer should be ± 5° of calibration temperature.  
 The Chamber temperature should be ±10° of calibration temperature  
 The Holding Tension on Specimen Frame was 2 Nm

**TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS**

| Specimen | 50  | 60  | 110 | 160 | 210 | 260 | 310 | 360 | 410 | 460 | 510 | 560 | 610 | 660 | 710 | 760 | 810 | 860 |  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| 1        | 188 | 192 | 285 | 338 | 406 | 555 | /   |     |     |     |     |     |     |     |     |     |     |     |  |
| 2        | 182 | 186 | 291 | 362 | 459 | 572 |     |     |     |     |     |     |     |     |     |     |     |     |  |
| 3        | 188 | 192 | 248 | 394 | 468 | 580 | /   |     |     |     |     |     |     |     |     |     |     |     |  |

**FLUX CALIBRATION: FLX08001**



**TESTS**

| Specimen               | SMOKE PRODUCTION              |                                | BURNING CHARACTERISTICS       |                      |                                     |  |
|------------------------|-------------------------------|--------------------------------|-------------------------------|----------------------|-------------------------------------|--|
|                        | Maximum Light Attenuation (%) | Smoke Development Rate (%.min) | Burn Length at Flame Out (mm) | Time To Burn Out (s) | Critical Heat Flux at 30min (kW/m²) |  |
| Initial Test: Width    | 69                            | 359                            | 277                           | 1,094                |                                     |  |
| Specimen Tests: Length |                               |                                |                               |                      |                                     |  |
| 1                      | 67                            | 389                            | 280                           | 1,068                | (n/a)                               |  |
| 2                      | 66                            | 431                            | 285                           | 1,058                |                                     |  |
| 3                      | 78                            | 417                            | 270                           | 1,031                | (n/a)                               |  |
| Mean                   | 70                            | 412                            | 278                           | 1,052                |                                     |  |

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The laboratory does not allow the use of this page of the report without the use of page 1.  
 This page alone has no validity under specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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ACCREDITED FOR TECHNICAL COMPETENCE  
 Measurement Science and Technology No. 15393  
 Authorised Signatory  
**M B Webb**  
 Date 17/11/2008