

m/s Feltex Carpets  
 PO BOX 93 GEELONG VIC 3216  
 Attn: Ms Elizabeth Mackowiak

TEST REPORT No. 12578D  
 LABORATORY REF: P 125748D

CUSTOMER REFERENCE  
**GEM**

Sample description as provided by customer

Mass/unit area 18 oz/yd<sup>2</sup>

Construction Details **Tufted** Secondary Backing **Synthetic EcoComposite**

Style **Loop Pile**

**THE SAMPLES TESTED WERE MODULAR WITH EcoComposite BACKING**

Order No. **APL 8C**

Pile Fibre Content **100% SOLUTION DYED NYLON**

Colour **#590**

Pile Height **4 mm**

**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 values 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 **August 2012**

Test Date **17 Aug 2012**

## ASSEMBLY SYSTEM: DIRECT STICK

The floor covering was directly stuck to the substrate using **GHM G3 444** adhesive.

Substrate: **Non-Combustible**

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

The Holding Torque on Specimen Frame was **2Nm**.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **8.8 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **8.8 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> )	<b>8.8</b>	<b>8.8</b>	<b>8.8</b>	<b>8.8</b>
Smoke Development Rate (%.min)	<b>74</b>	<b>77</b>	<b>85</b>	<b>79</b>

*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/Extinguishment (BCA General Provisions A1.1).*

**MEAN CRITICAL RADIANT FLUX 8.8 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 79 percent-minutes**


OBSERVATIONS: The samples shrunk away from the heat source, ignited and burnt a short distance.



**M. B. Webb**  
 Technical Manager

DATE: 17 Aug 2012

Measurement Science & Technology No. 15393  
 Accredited for compliance with ISO/IEC 17025.



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This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

The values on Page 2 have no relevance to the Code.

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