

CUSTOMER REFERENCE  
**DESIGNER JET CUT PILE TILE**

Sample description as provided by customer

Mass/unit area 17 oz/yd<sup>2</sup>

Construction Details **Tufted** Secondary Backing **Tile Enviro Bac™**

Style **Cut Pile**

**The Samples Tested Were Modular Carpet With Enviro Bac™ Backing**

Order No. **APL 1A**

Pile Fibre Content **100% NYLON**

Colour **Various**

Pile Height **4.5 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 C1.10 of the Building Code of Australia.**

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. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **Jan 2015**

Test Date **13 Feb 2015**

**ASSEMBLY SYSTEM: DIRECT STICK** (Details Below).

The floor covering was directly stuck to the substrate using **Water Based Surface Contact** 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 **10.5 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **9.9 kW/m<sup>2</sup>**  
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>9.9</b>	<b>9.0</b>	<b>10.5</b>	<b>9.8</b>
Smoke Development Rate (%.min)	<b>85</b>	<b>102</b>	<b>50</b>	<b>79</b>

The values quoted below are as required by Specification C1.10 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 9.8 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: 13 Feb 2015

Performance & Approvals  
 Testing No. 15393  
 Accredited for compliance with ISO/IEC 17025.



PAGE 1 of 2

Clause 9 of AS/ISO 9239 Part 1


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

1004 04 09


**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	256	257	332	566	/													
2	287	286	336	615	777	/												
3	243	244	391	/														

TESTS	BURNING CHARACTERISTICS		SMOKE PRODUCTION		
	Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: <b>Length</b>		122	753	25	101
Specimen Tests: <b>Width</b>					
1		160	762	29	85
2		210	879	29	102
3		120	770	16	50
Mean		163	804	25	79



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

DATE: 13 Feb 2015

Performance and Approvals  
Testing No. 15393  
Accredited for compliance  
with ISO/IEC 17025.

*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 Clause 9 of AS/ISO 9239 Part 1

2004 04 09 4590 28 January 2015