

CUSTOMER REFERENCE

## EC AVENUE on COMBUSTIBLE FLOOR

Sample description as provided by customer

Order No. **NF**

Pile weight mass/unit area

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

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

Colour **Fawn Shades**

Style **Loop Pile**

Pile Height mm

**The Carpet is to be installed at 44 Darlinghurst Rd, Potts Point NSW 2011**

**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 **Oct 2016**

Test Date **03 Nov 2016**

### ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was **DUNLOP GOVERNMENT RED.**

Substrate: **COMBUSTIBLE**

**SUBSTRATE 22 mm PINEWOOD**

The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **2.2 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **2.2 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>2.2</b>	<b>2.2</b>	<b>2.1</b>	<b>2.2</b>
Smoke Development Rate (%.min)	<b>289</b>	<b>359</b>	<b>383</b>	<b>344</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 **2.2 kW/m<sup>2</sup>**

### MEAN SMOKE DEVELOPMENT RATE **344 percent-minutes**


OBSERVATIONS: **The samples shrunk away from the heat source, ignited and burnt.**



**M. B. Webb**  
Technical Manager

DATE: 03 Nov 2016

Performance & Approvals  
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Clause 9 of AS/ISO 9239 Part 1


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

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**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	175	177	193	228	276	359	388	427	503	634	1045	1267	1841	/				
2	186	188	198	221	283	366	401	435	512	709	1184	1693	1879					
3	193	194	201	227	291	358	429	468	543	783	1206	1682	2238					

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>Width</b>		620	2,286	69	301
Specimen Tests: <b>Length</b>					
1		620	2,397	71	289
2		620	2,109	82	359
3		630	2,483	85	383
Mean		623	2,330	79	344



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**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

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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 Clause 9 of AS/ISO 9239 Part 1

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