

CUSTOMER REFERENCE

EC AVENUE on COMBUSTIBLE FLOOR

Sample description as provided by customer

Pile weight mass/unit area

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

Style **Loop Pile**

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

Order No. **NF**

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

Colour **Fawn Shades**

Pile Height 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 **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/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.2 kW/m²**
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	2.2	2.2	2.1	2.2
Smoke Development Rate (%.min)	289	359	383	344

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/m²

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
Testing No. 15393
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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: Width	620	2,286	69	301
Specimen Tests: Length				
1	620	2,397	71	289
2	620	2,109	82	359
3	630	2,483	85	383
Mean	623	2,330	79	344



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

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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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