

CUSTOMER REFERENCE
CRITIC CHOICE

Sample description as provided by customer
Mass/unit area **26 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Cut Pile**

Order No. **PO 25677**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour
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 **Jan 2016**

Test Date **09 Feb 2016**

ASSEMBLY SYSTEM: OVER UNDERLAY **DUNLOP GOVERNMENT RED.**

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

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 **3.0 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.9 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	2.9	2.4	2.4	2.6
Smoke Development Rate (%.min)	138	137	217	164

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 2.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 164 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 09 Feb 2016

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PAGE 1 of 2

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	127	128	132	140	161	209	339	420	515	756	1369	/						
2	138	139	144	147	152	160	184	267	330	404	715	1434	/					
3	144	145	150	158	180	231	335	381	499	589	739	1412	/					

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: Length		519	2,102	36	129
Specimen Tests: Width					
1		540	2,011	35	138
2		590	1,868	48	137
3		590	1,727	49	217
Mean		573	1,869	44	164



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**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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