

CUSTOMER REFERENCE
PALACE GATE

Sample description as provided by customer

Mass/unit area **60 oz/yd²**
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Cut Pile**

Order No. **PO 24740**

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

Colour **Brown**

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 **20 Jun 2015**

Test Date **04 Aug 2015**

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

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 **4.0 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **3.9 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	3.9	3.8	3.5	3.7
Smoke Development Rate (%.min)	271	221	311	268

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 3.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 268 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 04 Aug 2015

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	314	316	392	457	554	614	847	1035	1336	2025	/							
2	273	275	379	446	514	652	1077	1493	1719	2335	/							
3	295	297	430	495	586	724	930	1141	1390	1954	/							

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	450	2,196	41	262
Specimen Tests: Width				
1	460	2,081	42	271
2	470	2,865	45	221
3	490	2,758	44	311
Mean	473	2,568	44	268



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**TECHNICAL
COMPETENCE**



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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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