

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 **Jun 2015**

Test Date **04 Aug 2015**

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was **DUNLOP EXCELLAY**.

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 **5.5 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	5.6	4.1	4.2
Smoke Development Rate (%.min)	410	240	258	303

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 4.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 303 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
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	264	267	382	440	542	587	756	899	1181	1776	2600	/						
2	265	267	408	483	552	625	1115	1379	/									
3	317	319	393	511	590	810	965	1198	1671	/								

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	380	1,673	48	262
Specimen Tests: Width				
1	540	3,234	55	410
2	370	1,637	49	240
3	450	2,101	41	258
Mean	453	2,324	48	303



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE: 04 Aug 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 21562 4 August 2015