

CUSTOMER REFERENCE

**GARDEN 45oz/yd<sup>2</sup> 100% Wool**

Sample description as provided by customer

Mass/unit area **45 oz/yd<sup>2</sup>**  
Construction Details **Tufted** Secondary Backing **Synthetic**  
Style **Loop Pile**

Order No. **KG**  
Pile Fibre Content **100% WOOL**  
Colour **White**  
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 **Mar 2014**

Test Date **14 Mar 2014**

**ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP ULTIMATE.**

The UNDERLAY used was **DUNLOP ULTIMATE.**

**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 **8.3 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **8.8 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>8.3</b>	<b>8.7</b>	<b>8.7</b>	<b>8.6</b>
Smoke Development Rate (%.min)	<b>61</b>	<b>76</b>	<b>103</b>	<b>80</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 8.6 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 80 percent-minutes**

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



**M. B. Webb**  
Technical Manager

DATE: 14 Mar 2014

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	129	131	134	141	178	/												
2	132	133	136	159	178	/												
3	132	133	135	169	224	/												

**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>	220	942	22	73
Specimen Tests: <b>Length</b>				
1	240	777	15	61
2	225	872	21	76
3	225	806	32	103
<b>Mean</b>	230	818	23	80



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

DATE: 14 Mar 2014

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 2244 31 October 2013