

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 **Green**  
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 **Sept 2013**

Test Date **22 Oct 2013**

**ASSEMBLY SYSTEM: OVER UNDERLAY** (Details Below).

The UNDERLAY used was AIRSTEP BLACK RUBBER.

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 **7.4 kW/m<sup>2</sup>**  
Specimen 1 Width Direction Critical Radiant Flux **7.2 kW/m<sup>2</sup>**  
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	<b>7.2</b>	<b>8.1</b>	<b>7.4</b>	<b>7.6</b>
Smoke Development Rate (%.min)	<b>55</b>	<b>38</b>	<b>62</b>	<b>52</b>

The values quoted below are as required by Specification C1.10 Fire Hazard Properties (Floors) of the Building Code of Australia.

**MEAN CRITICAL RADIANT FLUX 7.6 kW/m<sup>2</sup>**

**MEAN SMOKE DEVELOPMENT RATE 52 percent-minutes**

OBSERVATIONS: **The samples singed, ignited and burnt a short distance.**



**M. B. Webb**  
Technical Manager

DATE: 22 Oct 2013

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	126	127	132	136	141	157	/											
2	125	126	130	135	144	/												
3	136	138	140	145	150	171	/											

**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>Length</b>	279	720	19	54
Specimen Tests: <b>Width</b>				
1	290	720	18	55
2	250	720	16	38
3	280	721	19	62
<b>Mean</b>	273	720	18	52



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
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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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