

CUSTOMER REFERENCE

"GARDEN 45oz/yd² 100% WOOL "

Sample description as provided by customer
Mass/unit area **45 oz/yd²**
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: DOUBLE BOND (DOUBLE STICK) AIRSTEP SENSI SLAB

The underlay used was **AIRSTEP SENSI SLAB** it was adhered to the substrate using **ROBERTS 656** adhesive. The floor covering was adhered to the underlay using **ROBERTS 95** adhesive.

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 **8.4 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **8.3 kW/m²**
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	8.3	8.1	8.3	8.2
Smoke Development Rate (%.min)	63	85	71	73

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 8.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 73 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	125	126	137	153	169	/												
2	134	135	142	156	164	/												
3	125	126	137	149	175	/												

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	234	720	19	72
Specimen Tests: Width				
1	240	727	22	63
2	250	720	23	85
3	240	720	23	71
Mean	243	722	23	73



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 22 Oct 2013

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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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