

CUSTOMER REFERENCE
AVENUE 25 oz SDN

Sample description as provided by customer
 Mass/unit area **25 oz/yd²**
 Construction Details **Tufted** Secondary Backing **Synthetic**
 Style **Loop Pile**

Order No. **KG**
 Pile Fibre Content **100% SOLUTION DYED NYLON**
 Colour **Fawn Shades**
 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 **Sep 2015** Test Date **30 Sep 2015**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate 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 **6.0 kW/m²**
 Specimen 1 Width Direction Critical Radiant Flux **5.9 kW/m²**
 Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	5.9	5.6	5.6	5.7
Smoke Development Rate (%.min)	27	8	23	19

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 5.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 19 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 30 Sep 2015

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PAGE 1 of 2

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	373	375	773	1076	1189	1498	1807	/										
2	348	349	753	1070	1443	1862	2161	2711	/									
3	287	288	572	928	1199	1445	1778	2276	/									

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	345	2,093	3	23
Specimen Tests: Width				
1	355	2,477	5	27
2	370	2,876	1	8
3	370	2,336	4	23
Mean	365	2,563	3	19



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**TECHNICAL
COMPETENCE**



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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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