

Attn: MS Bridget Sunderland  
**m/s Quest Carpet Manufactures Pty Ltd**  
 43-45 Mark Anthony Drive Dandenong South Vic 3175

LABORATORY TEST REPORT  
**P172273**

## ATLANTIC

Sample description as provided by customer

Order No. BS

Pile weight mass/unit area **32 oz/yd<sup>2</sup> 1088 g/m<sup>2</sup>**

Pile Fibre Content **100% SOLUTION DYED NYLON**

Construction Details **Tufted Secondary Backing Jute**

Colour ?

Style Cut Pile Twist

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 the Building Code of Australia (BCA) and National Construction Code 2015 (NCC) specifications C1.10. Sample conditioning as specified in BS EN 13238.2010.

Sample Submitted Date **Jul 2017**

Test Date **26 Jul 2017**

Total Thickness mm

### Assembly System: OVER UNDERLAY AIRSTEP CUSHION PAD.

The UNDERLAY used was **AIRSTEP CUSHION PAD.**

**Substrate: Non-Combustible** - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring. The Holding Torque on Specimen Frame was 2Nm.

The standard requires two Initial Tests be conducted on samples mounted in both Length and Width directions. Two further samples are then tested in whichever direction has the lowest Critical Radiant Flux.

Initial Tests: **Length** Direction Critical Radiant Flux **1.4 kW/m<sup>2</sup>**  
**Width** Direction Critical Radiant Flux **1.0 kW/m<sup>2</sup>**

	Specimen Tests conducted in the <b>Width</b> Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	1.3	1.2	1.4	1.3
Smoke Development Rate (%.min)	422	393	402	406

The values quoted below are as required by BCA and NCC Specification C1.10 Fire Hazard Properties (Floors). The Critical Radiant Flux quoted is the value at Flame-Out/Extinguishment (BCA General Provisions A1.1).

**Mean Critical Radiant Flux 1.3 kW/m<sup>2</sup>**

**Mean Smoke Development Rate 406 %.min**

Observations: The samples shrunk away from the heat source, ignited and burnt.

AS.ISO 9239.1 Clause 9(o) The test results 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 in use.

All information required for compliance with the BCA and NCC is given on this test report page.

Page 1 of 2

(v5-0, 11/03/2017)

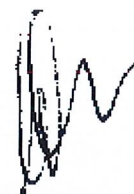


ACCREDITED FOR  
**TECHNICAL  
 COMPETENCE**

**M. B. Webb**  
 Technical Manager

DATE: 26 Jul 2017

Performance & Approvals  
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 Accredited for compliance with ISO/IEC 17025.



**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	181	182	230	260	271	294	358	391	437	507	666	923	1142	1409	1937	2308		
2	246	248	318	341	354	365	429	485	590	627	774	1113	1398	1572	1948	2387		
3	219	220	246	291	359	402	481	582	743	845	1026	1259	1602	1819	2295			

**TESTS**

Specimen	BURNING CHARACTERISTICS				SMOKE PRODUCTION		
	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)			
Initial Test: Length	750	2,683	74	419			
Specimen Tests: Width							
1	780	2,752	72	422			
2	800	2,851	73	393			
3	750	2,451	76	402			
Mean	777	2,685	74	406			



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