

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

LABORATORY TEST REPORT
P182752

PACIFIC (Ref 4/234D 40423)

Sample description as provided by customer
Pile weight mass/unit area 32 oz/yd² 1088 g/m²
Construction Details Tufted Secondary Backing Jute
Style Cut Pile Twist
Roll Ref 4/234D 404423

Order No. BS
Pile Fibre Content 100% SOLUTION DYED NYLON
Colour Grey
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 Mar 2018 Test Date 27 Mar 2018 Total Thickness mm

Assembly: OVER UNDERLAY AIRSTEP STEPSMART

The UNDERLAY used was AIRSTEP STEPSMART.

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 1.2 kW/m²
Width Direction Critical Radiant Flux 1.2 kW/m²

	Specimen Tests conducted in the Length Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/m ²)	1.2	1.2	3.1	1.8
Smoke Development Rate (%.min)	368	273	277	306

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 **1.8** kW/m²

Mean Smoke Development Rate **306** %.min

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

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.

	M. B. Webb Technical Manager	
	DATE: 27 Mar 2018	
ACCREDITED FOR TECHNICAL COMPETENCE	Performance & Approvals Accreditation No. 15393 Accredited for compliance with ISO/IEC 17025.	



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The information provided on this page of the test report is for the Sponsors Use Only and will meet the requirements of the standard. This page is Not Required and has No Validity under Specification C1.10 Fire Hazard Properties (Floors) of the BCA and NCC 2015. The laboratory does not allow the use of this page of the report without the use of page 1.

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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	164	165	232	255	285	302	321	340	392	481	609	1088	1632	1834	2230	2833	/	
2	176	177	229	271	285	337	355	378	421	550	1506	1805	2256	2719	3177	3664	/	
3	198	200	225	256	283	300	318	358	410	519	742	/						

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: Width	800	3,099	81	391
Specimen Tests: Length				
1	800	3,191	82	368
2	800	4,134	75	273
3	530	1,526	76	277
Mean	710	2,950	78	306



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 27 Mar 2018

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with ISO/IEC 17025.

2004 04 09 35278 27 March 2018

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