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

LABORATORY TEST REPORT
P172273

PACIFIC

Sample description as provided by customer — Order No. **BS**
Pile weight mass/unit area **32** oz/ yd ^{2} **1088** g/ m^2 — **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^2**
Width Direction Critical Radiant Flux **1.0 kW/m^2**

	Specimen Tests conducted in the Width Direction			
	Specimen #1	Specimen #2	Specimen #3	Mean
Critical Radiant Flux (kW/ m ^{2})	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^2

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.

NATA M.B.Webb
Techn;calMaoagec
DATE: 26 Jul 2017
A.-::cRrnffen w;t Performance & Approvals
TECHNICAL Accreditation No. 15393
COMP&rEKClo Accredited for compliance with 1S0/IEC 170 25.

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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 sta ndard.
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.

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

Spec imen	BURNING CHARACTERISTICS: Burn Length (mm) at Flame Out/ Extinguishment	BURNING CHARACTERISTICS: Time To Burn Out (s)	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: 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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Aj

M. B. Webb
Technical Manager

DATE: 26 Jul 2017

Performance and Approvals
Accreditation No. 15393
Accredited for compliance
with 1S0/IEC 170 25 .

2004 04 09 27205 26 July 2017

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