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

TEST REPORT No. 161737

LABORATORY REF: P161737

CUSTOMER REFERENCE

METROPOL

Sample description as provided by customer
Pile weight mass/unit area **48** oz/yd² **1632** g/m²
Construction Details **Tufted** Secondary Backing **Jute**
Style **Cut Pile Twist**

Order No. **BS**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Charcoal**
Pile Height **14** 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 **Nov 2016** Test Date **29 Nov 2016**

ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP SPRINGTRED ULTIMATE.

The UNDERLAY used was DUNLOP SPRINGTRED ULTIMATE.

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 2.4 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 2.4 kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	2.4	2.4	2.3	2.4
Smoke Development Rate (%.min)	450	459	465	458

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 2.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 458 percent-minutes

OBSERVATIONS:

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 29 Nov 2016

Performance & Approvals
Testing No. 15393
Accredited for compliance with ISO/IEC 17025.

PAGE 1 of 2

Clause 9 of AS/ISO 9239 Part 1

The values on Page 2 have no relevance to the Code.

1004 04 09

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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	293	294	348	358	420	446	527	547	579	735	856	1183	/					
2	220	221	303	359	374	438	488	505	583	677	759	1119	/					
3	210	211	307	351	383	436	472	503	627	732	881	/						

TESTS

Specimen	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: **Width**	600	1,816	73	423
Specimen Tests: **Length**				
1	600	2,062	76	450
2	600	1,659	74	459
3	610	2,011	69	465
Mean	603	1,911	73	458

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 29 Nov 2016

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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
2004 04 09 17745 29 November 2016

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