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

TEST REPORT No. 136083A

LABORATORY REF: P136083A

CUSTOMER REFERENCE

METROPOL

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

Order No. **BP**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Dark Grey**
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 C1.10a 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 **March 2013** Test Date **04 Apr 2013**

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) AIRSTEP SENSI SLAB/ROBERTS 656 ROBERTS 95

The underlay used was AIRSTEP SENSI SLAB it was adhered to the substrate using ROBERTS 656 adhesive. The floor covering was adhered to the underlay 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 **3.3** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **3.5** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	3.3	3.5	3.3	3.4
Smoke Development Rate (%.min)	478	447	477	467

The values quoted below are as required by Specification C1.10a 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 3.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 467 percent-minutes

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

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 04 Apr 2013

Measurement Science & Technology No. 15393
Accredited for compliance with ISO/IEC 17025.

This Page (1) has been designed to show the values required under Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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	235	237	302	359	429	483	506	571	619	748	/							
2	191	193	321	385	415	464	490	514	574	745	/							
3	222	224	288	336	368	412	446	503	562	786	/							

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**	490	1,531	68	455
Specimen Tests: **Length**				
1	500	1,376	70	478
2	490	1,205	77	447
3	500	1,135	73	477
Mean	497	1,239	73	467

NATA
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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 Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
2004 04 09 12928 2 April 2013

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