m/s Quest Carpet Manufactures Pty Ltd
PO BOX 4056 DANENONG SOUTH VIC 3164
Attn: Ms Bridget Peasley

TEST REPORT No. 138085

LABORATORY REF: P138085

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 **Mar 2013** Test Date **23 Mar 2013**

ASSEMBLY SYSTEM: OVER UNDERLAY DUNLOP GOVERMENT RED

The UNDERLAY used was DUNLOP GOVERMENT RED.

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 **3.8** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **4.1** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	3.8	3.8	4.0	3.9
Smoke Development Rate (%.min)	302	292	336	310

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 3.9 kW/m²

MEAN SMOKE DEVELOPMENT RATE 310 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: 23 Mar 2013

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

PAGE 1 of 2

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.

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