m/s Quest Carpet Manufactures Pty. Ltd.
43-55 Mark Anthony Drive
Dandenong South VIC 3175 Att MS Bridget Peasley

**TEST REPORT No. 114571**

**LABORATORY REF: P114571**

CUSTOMER REFERENCE

# CROSSLEY TWIST

**Sample description as provided by customer**

Order No. **BP**

Mass/unit area **48** oz/yd² / g/m² Pile Fibre Content **100% SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Jute**

Colour **GREY**

Style **TWIST PILE**

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 specification C1.10a of the Building Code of Australia.***

*Tested in accordance with the Carpet Institute Code of Practice for AS/ISO 9239 Testing Version 10 / 0805.*

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 in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **March 2011** Test Date **18/3/2011**

## ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

**The UNDERLAY used was BRIDGESTONE AIRSTEP FIRECHECK MK11.**

**Substrate : Non-combustible**
**Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.**
Sample Cleaned as Specified in ISO 11379.1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **5.4** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **5.3** kW/m²
Full tests carried out in the **Width** Direction

| SPECIMEN | Width #1 | Width #2 | Width #3 | Mean |
|---|---|---|---|---|
| Critical Radiant Flux (kW/m²) | 5.3 | 4.4 | 4.9 | 4.9 |
| Smoke Development Rate (%.min) | 341 | 404 | 377 | 374 |

*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 4.9 kW/m²

## MEAN SMOKE DEVELOPMENT RATE 374 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: 18/3/2011

Measurement Science & Technology No. 15393
**This document is issued in accordance with NATA's accreditation requirements.**

**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.

1004 04 09

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