

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

TEST REPORT No. 114572
LABORATORY REF: P114572

CUSTOMER REFERENCE
CROSSLEY TWIST

Sample description as provided by customer
Mass/unit area 48 oz/yd² / g/m² Pile Fibre Content 100% SOLUTION DYED NYLON
Construction Details Tufted Secondary Backing Jute
Style TWIST PILE

Order No. BP
Colour GREY
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 19/3/2011

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was BRIDGESTONE AIRSTEP PREMIUM GOLD.

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 5.0 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 5.0 kW/m²
Full tests carried out in the Length Direction


| SPECIMEN | Length #1 | Length #2 | Length #3 | Mean |
|--|-----------|-----------|-----------|------|
| Critical Radiant Flux (kW/m ²) | 5.0 | 4.7 | 4.7 | 4.8 |
| Smoke Development Rate (%.min) | 271 | 324 | 351 | 315 |

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 4.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 315 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 19/3/2011

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



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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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