

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

TEST REPORT No. 114570

LABORATORY REF: P114570

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 22/3/2011

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) (Details Below).

The underlay used was 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.

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 4.9 kW/m²

Full tests carried out in the Width Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	4.9	4.9	4.7	4.8
Smoke Development Rate (%.min)	422	403	429	418

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 418 percent-minutes


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



M. B. Webb
 Technical Manager

DATE: 22/3/2011

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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