

Att Mr Neil Verran
m/s Northstate Carpet Mills
14 Enterprise St, Molendinar, Q/Land 4214

TEST REPORT No. 114896

LABORATORY REF: P114896

CUSTOMER REFERENCE

GATEWOOD XL

Sample description as provided by customer

Mass/unit area **30 oz/yd² / g/m²** Pile Fibre Content **100% NYLON**

Construction Details **Tufted** Secondary Backing **Synthetic**

Style **Multi Level Loop**

Order No. **DT**

Colour **Green Shades**

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 **May 2011**

Test Date **13/6/2011**

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

The underlay used was **AIR STEP RESIST** 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 **2.8 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **2.7 kW/m²**

Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	2.7	2.5	2.7	2.6
Smoke Development Rate (%.min)	445	431	431	436

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 2.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 436 percent-minutes

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



M. B. Webb
Technical Manager

DATE: 13/6/2011

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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