



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

TEST REPORT No. 093533

LABORATORY REF: P093533

CUSTOMER REFERENCE

NORTHSTATE SERIES 340

Sample description as provided by customer

Mass/unit area 34 oz/yd² g/m² Pile Fibre Content 100% NYLON

Construction Details Tufted Secondary Backing Synthetic

Style CUT PILE

Order No. DT

Colour RED

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 results 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 2/10/2009

Test Date 15/10/2009

ASSEMBLY SYSTEM DOUBLE BOND (DOUBLE STICK)

details below.

The underlay used was BRIDGESTONE RESIST it was adhered to the substrate using ROBERTS 95 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

Initial Test Specimen 1 Length Direction Critical Radiant Flux 7.0 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 7.1 kW/m²
Full tests carried out in the Length Direction


| SPECIMEN | Length #1 | Length #2 | Length #3 | Mean |
|--|-----------|-----------|-----------|------|
| Critical Radiant Flux (kW/m ²) | 7.0 | 8.0 | 6.7 | 7.2 |
| Smoke Development Rate (%.min) | 231 | 205 | 231 | 222 |

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.

MEAN CRITICAL RADIANT FLUX 7.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 222 %.min

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



Authorised Signatory **M. B. Webb**

Technical Manager *[Signature]*

DATE 15/10/2009

Measurement Science and Technology No. 15393

ACCREDITED FOR TECHNICAL COMPETENCE

PAGE 1 of 2
Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).
The laboratory allows the use of this page of the report without the use of page 2.

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