m/s EDWARDSTOWN CARPETS
6 DELAINE AVENUE EDWARDSTOWN
SOUTH AUSTRALA 5039

TEST REPORT No. 072423

LABORATORY REF: **P072423**

CUSTOMER REFERENCE

28oz SOLUTION DYED NYLON STRIPE

Sample description as provided by customer

Order No. **16804**

Mass/unit area **28** oz/yd² g/m² Pile Fibre Content **100% SOLUTION DYED NYLON**

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

Colour **Charcoal/Brown**

Style **LOOP**

Pile Height **5** 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 **19/9/2007** Test Date **8/10/2007**

ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was DUNLOP EXCELLAY.

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 4.2 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 4.0 kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	4.0	4.2	4.6	4.3
Smoke Development Rate (%.min)	268	271	297	279

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 4.3 kW/m²

MEAN SMOKE DEVELOPMENT RATE 279 %.min

OBSERVATIONS **The sample slowly shrunk away from the heat source then ignitedi**

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Authorised Signatory **M. B. Webb**
Date **8/10/2007**

NATA Reg. No. 15393
Heat and temperature measurement.

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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