

MS Sue Schultz  
m/s Beaulieu of Australia  
64 Lahrs Rd, Ormeau Q/ld 4208

TEST REPORT No. 0008931

LABORATORY REF: PO608931

CUSTOMER REFERENCE

## HIGH TECH

Sample description as provided by customer

Mass/unit area **20 oz/yd<sup>2</sup>** g/m<sup>2</sup> Pile Fibre Content **100% RESTSTAIN SOLUTION DYED NYLON**

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

Style **Loop**

Order No. **10175**

Colour **Black/Grey**

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 **4/12/2006**

Test Date **18/12/2006**

## 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 1.5 kW/m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux 1.5 kW/m<sup>2</sup>  
Full tests carried out in the Length Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	1.5	1.5	1.8	1.6
Smoke Development Rate (%.min)	308	263	213	261

*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 1.6 kW/m<sup>2</sup>**


**MEAN SMOKE DEVELOPMENT RATE 261 %.min**

OBSERVATIONS **The samples melted away from the heat source then Ignited**



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**

Authorised Signatory **M. B. Webb**  
Date **18/12/2006**



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.*

1001 01 06

**TEST REPORT No. 8931**  
**LABORATORY REF: P0608831**

THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

**PAGE 2 of 2**

**Pyrometer temperature**  
 On calibration 528.7°C  
 Start of test run 528.9  
 End of test run 529.3

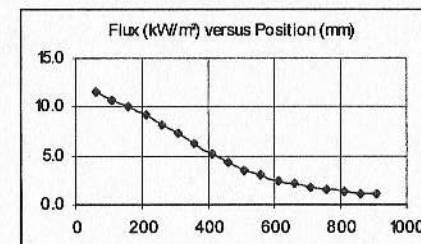
**Chamber temperature**  
 On calibration 91.0°C  
 Start of test run 89.3  
 End of test run 88.5

Clause 7.2.2 AS/ISO 9239 The pyrometer should be  $\pm 5^\circ$  of calibration temperature.  
 The Chamber temperature should be  $\pm 10^\circ$  of calibration temperature  
 The Holding Tension on Specimen Frame was 1 Nm

## TIME FOR EACH SPECIMEN TO REACH EACH MARKER IN SECONDS

Specimen	50	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860
1	176	206	215	280	283	357	410	496	654	738	1119	1369	1587	2077	2654	2859	/	
2	159	180	232	259	309	328	366	419	467	543	1010	1203	1695	1871	2435	/		
3	174	195	251	269	293	354	395	418	524	866	1197	1409	1628	2277	/			

## FLUX CALIBRATION: FLX06003



## TESTS

## SMOKE PRODUCTION

## BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length at Flame Out (mm)	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)
Initial Test: <b>Width</b>	80	313	760	2,240	2.1
Specimen Tests: <b>Length</b>					
1	61	308	760	2,864	2.2
2	72	263	755	3,063	2.1
3	60	213	705	2,639	2.1
Mean	64	261	740	2,855	2.1



ACCREDITED FOR  
**TECHNICAL  
 COMPETENCE**

NATA Reg. No. 15393  
 Heat and temperature measurement.

Authorised Signatory  
**M B Webb**  
 Date 18/12/20061

## PAGE 2 of 2

The laboratory does not allow the use of this page of the report without the use of page 1.  
 This page alone has no validity under specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

2001 01 06 37206 06120122-0121-0123-0124