Att MS Sue Schultz
m/s Beaulieu of Australia
64 Lahrs Rd, Ormeau Qld 4207

TEST REPORT No. 000881

LABORATORY REF: **P060881**

CUSTOMER REFERENCE

LIBERATION

Sample description as provided by customer — Order No. **9785**

Mass/unit area **24** oz/yd² **810** g/m² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Synthetic** — Colour **Fawn**

Style **Level Loop** — Pile Height **4** 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 **October 2006** Test Date **5/11/2006.**

ASSEMBLY SYSTEM DIRECT STICK details below.

The floor covering was directly stuck to the substrate using ROBERTS 95SFadhesive.

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	9.3 kW/m²
	Specimen 1	Width	Direction	Critical Radiant Flux	8.4 kW/m²
	Full tests carried out in the		**Width** direction		

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	8.4	9.4	8.8	8.9
Smoke Development Rate (%.min)	35	60	42	46

The values quoted below are as required by Specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

MEAN CRITICAL RADIANT FLUX 8.9kW/m²

MEAN SMOKE DEVELOPMENT RATE 46percentage-minutes

OBSERVATIONS **The samples melt away from the heat source then ignited**

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

Authorised Signatory **M. B. Webb**
Date **5/11/2006.**

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.

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TEST REPORT No. 881
LABORATORY REF: P060881

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

Pyrometer temperature

On calibration	528.7°C
Start of test run	527.3
End of test run	531.2

Chamber temperature

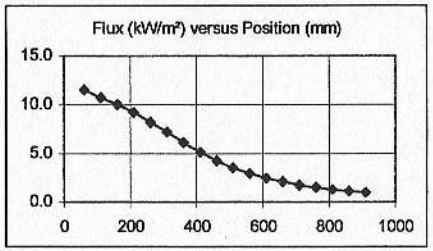
On calibration	91.0°C
Start of test run	89.3
End of test run	90.5

Clause 7.2.2 AS/ISO 9239 The pyrometer should be ± 5° of calibration temperature.
The Chamber temperature should be ±10° 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	132	196	352	482	823	/												
2	132	171	308	492	0	/												
3	128	173	332	477	617	/												

FLUX CALIBRATION: FLX06003



TESTS

Specimen	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)	BURNING CHARACTERISTICS: Burn Length at Flame Out (mm)	BURNING CHARACTERISTICS: Time To Burn Out (s)	BURNING CHARACTERISTICS: Critical Heat Flux at 30min (kW/m²)
Initial Test: **Length**	14	45	201	892	-0.0
Specimen Tests: **Width**					
1	12	35	250	1,046	(n/a)
2	14	60	200	868	(n/a)
3	9	42	230	1,078	(n/a)
Mean	12	46	227	997	

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

NATA Reg. No. 15393
Heat and temperature measurement

Authorised Signatory
M. B. Webb
Date **5/11/2006.**

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.

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