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

TEST REPORT No. 125972

LABORATORY REF: P125972

CUSTOMER REFERENCE

LIBERATION

Sample description as provided by customer Order No. **RW**
Mass/unit area **24** oz/yd² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Dynasty**
Style **Loop Pile** 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.

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. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **Nov 2012** Test Date **09 Dec 2012**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP 7mm STEPLIGHT.

The UNDERLAY used was AIRSTEP 7mm STEPLIGHT.

Substrate: Non-Combustible
Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **3.5** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **4.2** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	3.5	4.0	3.7	3.7
Smoke Development Rate (%.min)	163	172	201	179

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 3.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 179 percent-minutes

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 09 Dec 2012

Measurement Science & Technology No. 15393
Accredited for compliance with ISO/IEC 17025.

PAGE 1 of 2

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.

1004 04 09

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	137	139	145	177	203	230	309	358	456	577	/							
2	183	185	255	292	305	409	560	718	769	1484	/							
3	132	133	139	154	194	246	332	441	563	661	/							

TESTS **BURNING CHARACTERISTICS** **SMOKE PRODUCTION**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: **Width**	**450**	**977**	**45**	**198**
Specimen Tests: **Length**				
1	500	1,519	40	163
2	460	1,625	36	172
3	480	1,185	51	201
Mean	480	1,443	42	179

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 09 Dec 2012

Measurement Science
& Technology No. 15393
Accredited for compliance with ISO/IEC 17025.

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.
2004 04 09 10886 13 November 2012