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

TEST REPORT No. 125657

LABORATORY REF: P125657

CUSTOMER REFERENCE

CRITICS CHOICE

Sample description as provided by customer Order No. **19617**
Mass/unit area **24** oz/yd² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Cream**
Style **Cut Pile Twist** Pile Height **/** mm
The Samples Were Conditioned By Constant Weight

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 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 in use. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001
Sample submitted Date **June 2012** Test Date **15 Jun 2012**

ASSEMBLY SYSTEM: OVER UNDERLAY AIRSTEP STEPEZY .

The UNDERLAY used was AIRSTEP STEPEZY.

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 **1.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **1.3** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	1.5	1.5	1.9	1.6
Smoke Development Rate (%.min)	187	209	221	206

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 1.6 kW/m²

MEAN SMOKE DEVELOPMENT RATE 206 percent-minutes

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

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 15 Jun 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	192	194	226	235	269	278	304	385	458	603	829	1077	1496	1831	2072	2587		
2	167	169	208	218	228	256	300	321	363	496	670	898	1225	1636	1921	2413	/	
3	183	187	219	240	255	281	328	394	447	719	837	1164	1895	2139				

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

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)
Initial Test: **Length**	**67**	**220**	**670**	**2,285**
Specimen Tests: **Width**				
1	68	187	763	2,601
2	68	209	760	2,420
3	67	221	671	2,429
Mean	68	206	731	2,483

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 15 Jun 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 27528 16 June 2012

APL Australia Pty Ltd
5 Carinish Rd, Oakleigh South
Victoria 3167 Australia

Telephone: 03 9543 1618
Facsimile: 03 9562 1818
Mobile: 0411 039 088

Email: apl@aplaustralia.com.au
Web: www.aplaustralia.com.au
ABN 69 468 849 319