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

TEST REPORT No. 115091

LABORATORY REF: P115091

CUSTOMER REFERENCE

ROYAL PLUSH 30oz

Sample description as provided by customer Order No. **18034**
Mass/unit area **30** oz/yd² **/** g/m² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Pewter Illusion**
Style **CUT 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.*

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 **16/6/2011** Test Date **17/7/2011**

ASSEMBLY SYSTEM: DIRECT STICK (Details Below).

The floor covering was directly stuck to the substrate using ROBERT 95 adhesive.

Substrate : Non-combustible
Substrate – 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
Sample Cleaned as Specified in ISO 11379.1997. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **6.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **6.9** kW/m²
Full tests carried out in the **Length** Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m²)	6.9	6.9	6.6	6.8
Smoke Development Rate (%.min)	24	91	78	64

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 6.8 kW/m²

MEAN SMOKE DEVELOPMENT RATE 64 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: 17/7/2011

Measurement Science & Technology No. 15393
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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.

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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	262	263	341	349	669	1000	1452	/										
2	259	260	396	572	699	1077	1558	/										
3	364	366	371	478	654	944	1315	/										

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: **Width**	**7**	**17**	**310**	**1,368**
Specimen Tests: **Length**				
1	6	24	310	1,460
2	17	91	310	1,630
3	16	78	325	1,714
Mean	13	64	315	1,601

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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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