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TEST REPORT No. 115093  
LABORATORY REF: P115093

CUSTOMER REFERENCE  
**ROYAL PLUSH 30oz**

Sample description as provided by customer

Mass/unit area 30 oz/yd<sup>2</sup> IIII g/m<sup>2</sup>

Construction Details Tufted Secondary Backing Synthetic  
Style CUT Pile

Pile Fibre Content 100% RESISTAIN SOLUTION DYED NYLON

Order No. 18034

Colour Pewter Illusion

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 16/7/2011

Test Date 18/7/2011

## ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was AIRSTEP GOLD.

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 2.8 kW/m<sup>2</sup>  
Specimen 1 Width Direction Critical Radiant Flux 2.7 kW/m<sup>2</sup>  
Full tests carried out in the Width Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m <sup>2</sup> )	2.7	2.8	2.5	2.7
Smoke Development Rate (%.min)	261	223	294	259

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

**MEAN SMOKE DEVELOPMENT RATE 259 percent-minutes**

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



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TECHNICAL  
COMPETENCE

M. B. Webb  
Technical Manager

DATE: 18/7/2011

Measurement Science &  
Technology No. 15393  
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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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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

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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	178	177	218	272	325	437	498	844	1484	1832	2226	2912	/					
2	164	165	237	286	322	378	462	662	943	1442	1951	/						
3	165	166	220	291	331	421	501	773	1259	1539	2186	2571						

## 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	63	251	558	2,549
Specimen Tests: Width				
1 (11070108)	57	261	570	3,061
2 (11070109)	53	223	560	2,502
3	55	294	590	2,839
Mean	55	259	573	2,801



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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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