

CUSTOMER REFERENCE

ROYAL PLUSH 30oz

Sample description as provided by customer

Mass/unit area 30 oz/yd² / g/m²

Pile Fibre Content 100% RESISTAIN SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Synthetic

Style CUT PILE

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 16/6/2011

Test Date 18/7/2011

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was DUNLOP EXCELLAY.

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 2.4 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 2.6 kW/m²
Full tests carried out in the Length Direction

SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	2.4	2.4	2.5	2.4
Smoke Development Rate (%.min)	371	307	390	356

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 2.4 kW/m²

MEAN SMOKE DEVELOPMENT RATE 356 percent-minutes

OBSERVATIONS The samples shrunk a short distance ignited then burnt.

	M. B. Webb Technical Manager	
	DATE: 18/7/2011	
	Measurement Science & Technology No. 15393	
	This document is issued in accordance with NATA's accreditation requirements.	

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	203	204	232	272	324	352	421	479	538	653	775	1290	/					
2	175	176	208	256	272	301	332	389	452	550	810	1428	2171	/				
3	186	187	227	290	321	364	453	524	622	689	1045	1328						

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	63	350	580	1,834
Specimen Tests: Length				
1	65	371	600	1,574
2	68	307	610	2,435
3	58	390	590	1,636
Mean	64	356	600	1,882



ACCREDITED FOR
**TECHNICAL
 COMPETENCE**

M. B. Webb
 Technical Manager

DATE: 18/7/2011

Measurement Science
 & Technology No. 15393

**This document is issued in
 accordance with NATA's
 accreditation requirements.**

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 18171 22 July 2011