

CUSTOMER REFERENCE
ROYAL PLUSH 50oz

Sample description as provided by customer

Mass/unit area **50 oz/yd² / g/m²** Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Liquid Silverl**
Style **CUT PILE** Pile Height / mm

Order No. **18034**

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 **14/6/2011**

Test Date **6/7/2011**

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 **3.5 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **4.3 kW/m²**
Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	3.5	3.7	3.8	3.7
Smoke Development Rate (%.min)	304	339	310	318

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 318 percent-minutes


OBSERVATIONS **The samples shrunk away from the heat source, ignited then burnt,**



M. B. Webb
Technical Manager

DATE: 6/7/2011

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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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	277	278	292	334	408	426	475	507	559	647	/							
2	212	214	281	334	391	451	481	532	597	731	/							
3	201	203	263	317	366	426	453	516	544	1015	/							

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	57	257	445	1,090
Specimen Tests: Length				
1	58	304	500	1,183
2	60	339	480	1,170
3	56	310	475	1,188
Mean	58	318	485	1,180



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 6/7/2011

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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.

2004 04 09 12530 6 July 2011