

## HAMPTON PLUSH 40oz

**Sample description as provided by customer**

Mass/unit area **40 oz/yd<sup>2</sup> / g/m<sup>2</sup>** Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**  
 Construction Details **Tufted** Secondary Backing **Synthetic** Order No. **18034**  
 Style **CUT PILE** Colour **Grey Canvas**  
 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 **14/6/2011** Test Date **1/7/2011**

### 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 **4.4 kW/m<sup>2</sup>**  
 Specimen 1 Width Direction Critical Radiant Flux **3.5 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> )	<b>3.5</b>	<b>4.9</b>	<b>4.0</b>	<b>4.1</b>
Smoke Development Rate (%.min)	<b>326</b>	<b>274</b>	<b>325</b>	<b>308</b>

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

### MEAN SMOKE DEVELOPMENT RATE **308 percent-minutes**


OBSERVATIONS The samples shrunk away from the heat source ,ignited and burnt a relatively short distance.



**M. B. Webb**  
 Technical Manager

DATE: 1/7/2011

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	245	246	259	283	311	374	438	519	569	788	/							
2	207	208	236	285	319	340	409	613	1120	/								
3	194	195	230	277	309	360	400	486	604	1045	/							

**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	57	288	435	1,139
Specimen Tests: Width				
1	63	326	500	1,020
2	68	274	410	1,126
3	66	325	460	1,048
Mean	66	308	457	1,065



ACCREDITED FOR  
**TECHNICAL  
COMPETENCE**



**M. B. Webb**  
Technical Manager

DATE: 1/7/2011

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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.  
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