

CUSTOMER REFERENCE
KNIGHTS POINT

Sample description as provided by customer

Mass/unit area **20 oz/yd² / g/m²**

Pile Fibre Content **100% SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Jute**

Style **LOOP**

Order No. **FTX1056**

Colour **Stone**

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 **15/3/2010**

Test Date **25/3/2010**

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was **DUNLOP EXCELLAY FOAM**.

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 **1.2 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **1.2 kW/m²**
Full tests carried out in the **Width** Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	1.2	1.1	1.2	1.2
Smoke Development Rate (%.min)	338	326	326	330

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 1.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 330 %.min


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



M. B. Webb
Technical Manager

DATE: 25/3/2010

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	187	189	213	224	348	264	279	301	354	400	560	750	1111	1531	2239	2458	3159	
2	170	172	186	215	241	259	277	317	354	387	580	700	832	1222	1820	2146	2583	
3	167	169	183	221	248	263	280	294	318	425	685	836	1092	1429	1742	2146	2440	

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)	Critical Heat Flux at 30min (kW/m ²)*
Initial Test: Length	88	414	810	3,295	1.8*
Specimen Tests: Width					
1	85	338	820	3,320	1.8*
2	87	326	828	2,851	1.7*
3	84	326	824	2,894	1.5*
Mean	85	330	824	3,022	1.7*



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 25/3/2010

Measurement Science
& Technology No. 15393
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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.

* Critical Heat Flux at 30min has no relevance under the Building Code of Australia which demands Heat Flux measurement at Flame Out/Extinguishment (BCA General Provisions A1.1).

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