

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** Colour **STONE**
Style **LOOP** Pile Height mm

Order No. **FTX1056**

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 **24/3/2010**

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) (Details Below).

The underlay used was **DUNLOP ULTRALAY** it was adhered to the substrate using **DUNLOP PRIME & PEEL** adhesive. The floor covering was adhered to the underlay using **DUNLOP ULTRA BOND** adhesive.

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 **1.3 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	1.2	1.2	1.2
Smoke Development Rate (%.min)	498	558	643	566

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 566 %.min


OBSERVATIONS **The samples shrunk away from the hear source ,ignited and burnt**



M. B. Webb
Technical Manager

DATE: 24/3/2010

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	157	159	176	240	258	273	306	328	392	518	664	1481	1193	1648	1837	2511	3127	
2	181	183	244	251	270	295	308	351	411	467	549	779	951	1256	1909	2268	2910	
3	189	191	209	235	251	279	302	341	372	472	728	884	1211	1452	1890	2581	3093	

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	81	461	800	3,295	1.7*
Specimen Tests: Width					
1	82	498	815	3,167	1.7*
2	86	558	815	3,027	1.7*
3	85	643	823	3,167	1.7*
Mean	84	566	818	3,120	1.7*



ACCREDITED FOR
**TECHNICAL
COMPETENCE**



M. B. Webb
Technical Manager

DATE: 24/3/2010

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& 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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