

CUSTOMER REFERENCE
VERSATILE

Sample description as provided by customer

Mass/unit area **18 oz/yd² / g/m²** Pile Fibre Content **100% SOLUTION DYED NYLON**
Construction Details **Tufted** Secondary Backing **Jute**
Style **LOOP**

Order No. **FTX1069**

Colour **CHARCOAL**
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 **Auust 2010** Test Date **27/8/2010**

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below).

The UNDERLAY used was **DUNLOP FOAM UNDERLAY 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 **1.2 kW/m²**
Specimen 1 Width Direction Critical Radiant Flux **1.3 kW/m²**
Full tests carried out in the **Length** Direction


SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	1.2	1.3	1.2	1.2
Smoke Development Rate (%.min)	262	32	215	170

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 170 percent-minutes


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



M. B. Webb
Technical Manager

DATE: 27/8/2010

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	171	172	183	215	220	236	255	274	352	369	484	676	1182	1243	1664	1967	2562	
2	162	164	177	196	209	232	265	302	352	412	532	840	1200	1461	1855	2561	/	
3	166	168	181	200	210	228	238	255	302	383	445	699	783	1275	1856	2595	3759	0

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	83	249	800	2,403
Specimen Tests: Length				
1	80	262	815	2,672
2	79	32	800	3,034
3	82	215	815	3,834
Mean	80	170	810	3,180



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE: 27/8/2010

Measurement Science
& Technology No. 15393

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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 36888 29 August 2010