Att Mr George Naguib
m/s Feltex Carpets Pty Ltd,
8 Scotland St, Braybrook Vic 3019

TEST REPORT No. 103948

LABORATORY REF: P103948

CUSTOMER REFERENCE

KNIGHTS POINT

Sample description as provided by customer Order No. **FTX1056**
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

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

The underlay used was BRIDGESTONE RESIST UNDERLAY it was adhered to the substrate using ROBERTS 656 adhesive. The floor covering was adhered to the underlay using ROBERTS 95 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 **2.3** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **2.2** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	2.2	2.2	2.1	2.2
Smoke Development Rate (%.min)	437	523	536	499

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 2.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 499 %.min

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

NATA ACCREDITED FOR TECHNICAL COMPETENCE

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.

1004 04 09

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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	219	221	254	286	323	335	385	397	488	563	764	1240	1329	/				
2	184	186	218	259	279	290	324	367	485	525	666	1182	1351	/				
3	188	190	224	275	296	339	379	401	475	583	735	1186	1529					

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/m²)*
Initial Test: **Length**	**73**	**459**	**614**	**1583**	*
Specimen Tests: **Width**					
1	81	437	643	1,551	(n/a)*
2	81	523	635	1,560	(n/a)*
3	76	536	648	1,795	*
Mean	79	499	642	1,635	*

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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).
2004 04 09 19920 25 March 2010

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