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

TEST REPORT No. 104109

LABORATORY REF: P104109

CUSTOMER REFERENCE

VERSATILE

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

Mass/unit area **18** oz/yd² **/** g/m² Pile Fibre Content **100% SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Jute** Colour **GREY**

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 **Feb 2010** Test Date **29/3/2010**

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

The underlay used was BRIDGESTONE RESIST 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	2.3	2.3	2.3
Smoke Development Rate (%.min)	357	316	335	336

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 2.3 kW/m²

MEAN SMOKE DEVELOPMENT RATE 336 %.min

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

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 29/3/2010

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

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	183	184	211	242	287	294	317	406	536	721	923	1244	1450	/				
2	163	164	198	226	259	281	323	383	497	665	814	1075	1404	/				
3	154	156	199	235	286	302	316	357	596	636	923	1245	1594	/				

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** (10030133)	**64**	**249**	**630**	**3,427**	3.0*
Specimen Tests: **Width**					
1 (10030134)	67	357	632	1,656	(n/a)*
2 (10030135)	71	316	630	1,746	(n/a)*
3 (10030136)	76	335	629	1,729	(n/a)*
Mean	71	336	630	1,710	*

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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 20295 29 March 2010

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