APL

Att Mr George Naguib
M/s Feltex Carpets Pty Ltd,
35-65 Paramount Rd, Melbourne 3012

TEST REPORT No. 082994

LABORATORY REF: P082994

CUSTOMER REFERENCE

PROCESSOR II

Sample description as provided by customer Order No. **FTX1004**

Mass/unit area **20** oz/yd² g/m² Pile Fibre Content **90% SOLUTION DYED NYLON 10% SPACE DYED NYLON**

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

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 results 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 **25/11/2008** Test Date **8/12/2008**

ASSEMBLY SYSTEM DIRECT STICK details below.

The floor covering was directly stuck to the substrate 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

Initial Test Specimen 1 Length Direction Critical Radiant Flux **4.6** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **4.4** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	4.4	4.6	4.5	4.5
Smoke Development Rate (%.min)	211	195	211	206

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.

MEAN CRITICAL RADIANT FLUX 4.5 kW/m²

MEAN SMOKE DEVELOPMENT RATE 206 %.min

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

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Authorised Signatory **M. B. Webb**
Technical Manager
DATE 8/12/2008
Measurement Science and Technology No. 15393

PAGE 1 of 2
Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).
The laboratory allows the use of this page of the report without the use of page 2.

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Pyrometer temperature
On calibration 576.6°C
Start of test run 575.3
During test run 575.9

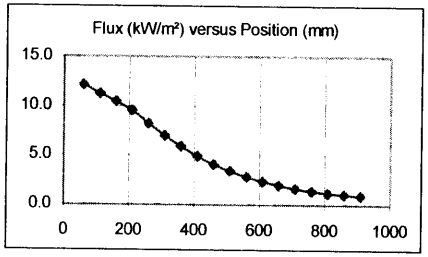
Chamber temperature
On calibration 99.2°C
Start of test run 100.5
During test run 100.9

Clause 7.2.2 AS/ISO 9239 The pyrometer should be ± 5° of calibration temperature.
The Chamber temperature should be ±10° of calibration temperature
The Holding Tension on Specimen Frame was 2 Nm

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	**169**	**171**	**223**	**310**	**379**	**481**	**539**	**686**	**1025**		/							
2	**173**	**179**	**225**	**319**	**386**	**501**	**552**	**735**	**1196**									
3	**180**	**184**	**239**	**320**	**395**	**527**	**561**	**721**	**1058**									

FLUX CALIBRATION: FLX08001



TESTS

Specimen	SMOKE PRODUCTION: Maximum Light Attenuation (%)	SMOKE PRODUCTION: Smoke Development Rate (%.min)	BURNING CHARACTERISTICS: Burn Length at Flame Out (mm)	BURNING CHARACTERISTICS: Time To Burn Out (s)	BURNING CHARACTERISTICS: Critical Heat Flux at 30min (kW/m²)
Initial Test: **Length**	**38**	**209**	**427**	1,539	
Specimen Tests: **Width**					
1	**35**	**211**	**440**	**1,407**	(n/a)
2	**48**	**195**	**427**	1,399	
3	**36**	**211**	**434**	1,491	
Mean	**40**	**206**	**434**	**1,432**	

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Technology No. 15393

Authorised Signatory
M B Webb
Date **8/12/2008**

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.

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