

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 $\ \, \textbf{Tufted} \,\, \, \text{Secondary Backing } \textbf{Jute} \,\,$

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

Specimen 1 Width Direction

Critical Radiant Flux 2.3 kW/m²
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 2.2 2.3 2.3 2.3 (kW/m²)Smoke Development Rate 357 316 335 336 (%.min)

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



M. B. Webb Technical Manager

DATE: 29/3/2010

Measurement Science & Technology No. 15393

This document is issued in accordance with NATA's accreditation requirements.

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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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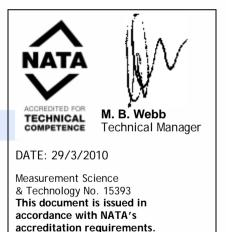
TEST REPORT No. 104109 LABORATORY REF: P104109 THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA

PAGE 2 of 2

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	1				
2	163	164	198	226	259	281	323	383	497	665	814	1075	1404	1				
3	154	156	199	235	286	302	316	357	596	636	923	1245	1594	1				

TESTS	SMOKE PRODU	JCTION					
Specimen	Maximum Light Smo Attenuation Develop (%) Rate (%)		ment	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	*	



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