m/s Beaulieu of Australia
64 Lahrs Rd,Ormeau Q/Ld 4208
Attn MS Sue Schultz

TEST REPORT No. 147936A

LABORATORY REF: P147936

CUSTOMER REFERENCE

MODU-TECH 811

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

Mass/unit area **610** g/m² Pile Fibre Content **100% POLYPROPYLENE**

Construction Details **Tufted** Secondary Backing **Synthetic** Colour **Blue/Blue Shades**

Style **Loop Pile** Pile Height **/** mm

The Samples Tested Were Modular Carpet with Bitumen FR Backing

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 C1.10 of the Building Code of Australia.

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. Clause 9 of AS/ISO 9239 Part 1.

Conditioning as specified in BS EN 13238.2001

Sample submitted Date **Mar 2014** Test Date **30 Mar 2014**

ASSEMBLY SYSTEM: DIRECT STICK Water Based Surface Contact .

The floor covering was directly stuck to the substrate using Water Based Surface Contact adhesive.

Substrate: Non-Combustible
Substrate - 6mm Fibre Reinforced Cement Board to simulate a Non-Combustible Flooring.
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **3.9** kW/m²
Specimen 1 Width Direction Critical Radiant Flux **3.6** kW/m²
Full tests carried out in the **Width** Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	3.6	3.8	4.2	3.9
Smoke Development Rate (%.min)	163	224	277	221

The values quoted below are as required by Specification C1.10 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 3.9 kW/m²

MEAN SMOKE DEVELOPMENT RATE 221 percent-minutes

OBSERVATIONS: **The samples shrunk away from the heat source, ignited and burnt a relatively short distance.**

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 30 Mar 2014

Performance & Approvals
Testing No. 15393
Accredited for compliance with ISO/IEC 17025.

PAGE 1 of 2

Clause 9 of AS/ISO 9239 Part 1

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	161	162	210	269	325	428	590	967	1172	1513	/							
2	172	173	202	351	421	472	577	781	1050	1612	/							
3	192	193	229	307	391	529	635	954	1157	/								

TESTS **BURNING CHARACTERISTICS** **SMOKE PRODUCTION**

Specimen	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)
Initial Test: **Length**	**464**	**2,002**	**33**	**159**
Specimen Tests: **Width**				
1	480	2,056	38	163
2	470	1,941	33	224
3	445	1,821	37	277
Mean	465	1,939	36	221

NATA
ACCREDITED FOR TECHNICAL COMPETENCE

M. B. Webb
Technical Manager

DATE: 30 Mar 2014

Performance and Approvals Testing No. 15393
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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 Clause 9 of AS/ISO 9239 Part 1
2004 04 09 16195 6 May 2014

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