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

TEST REPORT No. 137606A

LABORATORY REF: P137606A

CUSTOMER REFERENCE

TERABYTE

Sample description as provided by customer
Mass/unit area **28** oz/yd²
Construction Details **Tufted** Secondary Backing **Synthetic**
Style **Loop Pile**

Order No. **21596**
Pile Fibre Content **100% SOLUTION DYED NYLON**
Colour **Fawn Shades**
Pile Height **5** 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.

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 **August 2013** Test Date **16 Sep 2013**

ASSEMBLY SYSTEM: DOUBLE BOND (DOUBLE STICK) ROBERTS 656 ROBERTS 95.

The underlay used was AIRSTEP SENSI SLAB 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.
The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Critical Radiant Flux **3.5** 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	2.9	3.5	2.9
Smoke Development Rate (%.min)	409	368	345	374

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 2.9 kW/m²

MEAN SMOKE DEVELOPMENT RATE 374 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: 16 Sep 2013

Measurement Science & Technology No. 15393
Accredited for compliance with ISO/IEC 17025.

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	180	181	222	254	280	325	357	399	476	580	961	1290	1939	/				
2	180	182	209	266	304	351	389	432	486	683	1233	/						
3	197	199	219	251	272	289	357	407	506	672	/							

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**	**490**	**1,102**	**82**	**364**
Specimen Tests: **Width**				
1	620	2,309	83	409
2	540	1,616	80	368
3	490	2,386	78	345
Mean	550	2,104	80	374

NATA
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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.
2004 04 09 15528 3 September 2013

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