

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

**TEST REPORT No. 125643** 

LABORATORY REF: P125643

CUSTOMER REFERENCE

### TERABYTE

Sample description as provided by customer Or					
Mass/unit area <b>28</b> oz/yd <sup>2</sup>	Pile Fibre Content 100% RES	ISTAIN SOLUTION DYED NYLON			
Construction Details Tufted Secondary Backing S	Synthetic	Colour <b>Ocean</b>			
Style Loop Pile		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 June 2012

Test Date 21 Jun 2012

### 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. The Holding Torque on Specimen Frame was 2Nm.

Initial Test Specimen 1 Length Direction Specimen 1 Width Direction Full tests carried out in the Critical Radiant Flux 4.2 kW/m<sup>2</sup> Critical Radiant Flux 3.9 kW/m<sup>2</sup> Width Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m²)	3.9	3.9	4.3	4.0
Smoke Development Rate (%.min)	148	186	153	162

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 4.0 kW/m<sup>2</sup>

## MEAN SMOKE DEVELOPMENT RATE 162 percent-minutes

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



M. B. Webb Technical Manager

DATE: 21 Jun 2012



ACCREDITED FOR TECHNICAL COMPETENCE ACCREDITED FOR 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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#### TEST REPORT No. 125643 THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE PAGE 2 of 2 REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C1.10A OF THE BUILDING CODE OF AUSTRALIA LABORATORY REF: P125643

#### 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	232	234	358	485	734	894	1180	1508	2018	2718	1							
2	230	232	317	421	594	701	913	1247	1773	2439	1							
3	229	231	349	463	616	784	1093	1684	2208									

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TESTS	SMOKE PRODUCTI	ON		BURNING CHARAC				
Specimen	Attenuation Dev		ke oment .min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)			
Initial Test: Length	28		159	447	2,281			
Specimen Tests: Width						ACCREDITED FOR TECHNICAL COMPETENCE M. B. Webb Technical Manager		
1	27		148	470	2,739	DATE: 21 Jun 2012		
2	31 29		186	470	2,791	Measurement Science		
3			153	442	2,513	& Technology No. 15393 Accredited for compliance		
Mean	29		162	461	2,681	with ISO/IEC 17025.		

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. 23 June 2012 2004 04 09 19228

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