

CUSTOMER REFERENCE

TERABYTE

Sample description as provided by customer

Mass/unit area 28 oz/yd² g/m²

SOLUTION DYED NYLON

Construction Details **Tufted** Secondary Backing **Synthetic**

Style **LOOP**

Order No. 14442

Pile Fibre Content **100% RESISTAIN**

Colour **SLATE**

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.

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 **22/3/2009**

Test Date **4/4/2009**

ASSEMBLY SYSTEM: OVER UNDERLAY (Details Below)

The UNDERLAY used was BRIDGESTONE STANDARD BLACK RUBBER

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 2.3 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/m ²)	2.2	2.3	2.2	2.2
Smoke Development Rate (%.min)	435	261	386	361

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 2.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 361 %.min

OBSERVATIONS The samples shrunk away from the heat source and ignited



ACCREDITED FOR
**TECHNICAL
COMPETENCE**

M. B. Webb
Technical Manager

DATE: 4/4/2009

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.

1004 04 09

Pyrometer temperature

On calibration 576.6°C
Start of test run 576.8
During test run 577.1

Chamber temperature

On calibration 99.2°C
Start of test run 100.1
During test run 101.5


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	143	148	154	195	241	282	349	453	551	750	1038	1358	1984	/				
2	144	148	170	187	208	252	309	362	546	768	1162	1533	1952					
3	151	158	183	207	239	284	357	458	551	783	1184	1581	2059					

TESTS

Specimen	SMOKE PRODUCTION		BURNING CHARACTERISTICS		
	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length (mm) at Flame Out/ Extinguishment	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)*
Initial Test: Length					*
Specimen Tests: Width					
1	77	435	638	2,324	2.5*
2	71	261	625	2,330	2.6*
3	78	386	634	2,417	2.5*
Mean	75	361	632	2,327	2.5*



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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.

* 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).

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