

CUSTOMER REFERENCE

WINDSWEPT

Sample description as provided by customer

Mass/unit area **36 oz/yd²** g/m² Pile Fibre Content **100% RESISTAIN SOLUTION DYED NYLON**

Construction Details **Tufted** Secondary Backing **Jute**

Style **CUT/UNCUT**

Order No. **10575**

Colour **CHINCHILA**

Pile Height **9.0 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 results 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 **March 2007.**

Test Date **5/4/2007**

ASSEMBLY SYSTEM OVER UNDERLAY details below.

The UNDERLAY used was EXCELLAY.

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 2.2 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 2.1 kW/m²
Full tests carried out in the Width Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	2.1	2.2	2.2	2.2
Smoke Development Rate (%.min)	301	319	292	304

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.

MEAN CRITICAL RADIANT FLUX 2.2 kW/m²

MEAN SMOKE DEVELOPMENT RATE 304 %.min

OBSERVATIONS the samples shrunk away from the heat source then ignited

 ACCREDITED FOR TECHNICAL COMPE TENCE	Authorised Signatory M. B. Webb Date 5/4/2007
	NATA Reg. No. 15393 Heat and temperature measurement.

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Page 2 only shows the time required in seconds for the flame front to reach each time marker, the total test time and the CHF value at 30 minutes (if applicable).

The laboratory allows the use of this page of the report without the use of page 2.

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Pyrometer temperature
On calibration 535.9°C
Start of test run 536.9
End of test run 536.9

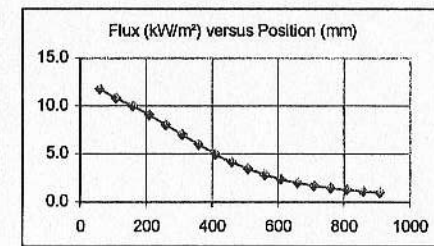
Chamber temperature
On calibration 96.6°C
Start of test run 95.6
End of test run 96.3

Clause 7.2.2 AS/ISO 9239 The pyrometer should be $\pm 5^\circ$ of calibration temperature.
The Chamber temperature should be $\pm 10^\circ$ of calibration temperature
The Holding Tension on Specimen Frame was 1 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	187	204	308	329	428	459	476	498	779	1103	1571	2141	2850	/				
2	189	198	325	361	458	479	489	562	749	1286	1483	2183	2975					
3	148	156	300	332	437	452	481	622	745	1040	1609	2196	2821	/				

FLUX CALIBRATION: FLX07001



TESTS

SMOKE PRODUCTION

BURNING CHARACTERISTICS

Specimen	Maximum Light Attenuation (%)	Smoke Development Rate (%.min)	Burn Length at Flame Out (mm)	Time To Burn Out (s)	Critical Heat Flux at 30min (kW/m²)
Initial Test: Length	64	328	624	3,284	3.2
Specimen Tests: Width					
1	59	301	635	3,177	3.2
2	61	319	628	3,259	3.2
3	57	292	630	3,411	3.2
Mean	59	304	631	3,282	3.2



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**TECHNICAL
COMPETENCE**

NATA Reg. No. 15393
Heat and temperature measurement.

Authorised Signatory
M B Webb
Date 5/4/2007

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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.

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