

CUSTOMER REFERENCE

TUCSON

Sample description as provided by customer

Mass/unit area oz/yd² 580 g/m² Pile Fibre Content 100% SOLUTION DYED NYLON

Construction Details Tufted Secondary Backing Jute

Style LEVEL LOOP

Order No. APL 5F

Colour Bitumen

Pile Height 3 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 22/5/2008

Test Date 11/6/2008

ASSEMBLY SYSTEM DIRECT STICK

 details below.

The floor covering was directly stuck to the substrate using ROBERTS 95SF adhesive.

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 3.7 kW/m²

Specimen 1 Width Direction Critical Radiant Flux 3.7 kW/m²

Full tests carried out in the Length Direction



SPECIMEN	Length #1	Length #2	Length #3	Mean
Critical Radiant Flux (kW/m ²)	3.7	3.8	3.5	3.7
Smoke Development Rate (%.min)	44	93	112	83

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 3.7 kW/m²

MEAN SMOKE DEVELOPMENT RATE 83 %.min

OBSERVATIONS The samples shrunk away from the heat source then ignited

	Authorised Signatory M. B. Webb
	Technical Manager 
	DATE 11/6/2008
	Measurement Science and Technology No. 15393

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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 576.6 °C
 Start of test run 577.3
 During test run 577.9

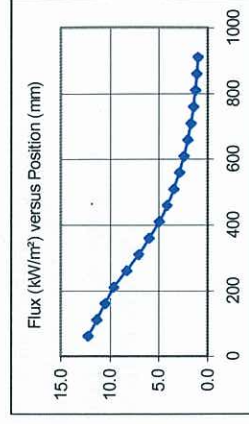
Chamber temperature
 On calibration 99.2 °C
 Start of test run 102.3
 During test run 102.1

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	189	193	292	332	421	583	893	1042	1589	1849	/							
2	190	195	283	339	458	609	773	1194	1683	1890								
3	184	187	292	340	425	494	896	1210	1660	2086	/							

FLUX CALIBRATION: FLX08001



TESTS

Specimen	SMOKE PRODUCTION					BURNING CHARACTERISTICS			
	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: Width	29	91	482	2,399	4.0				
Specimen Tests: Length									
1	28	44	490	2,445	4.1				
2	21	93	481	2,407	4.2				
3	22	112	500	2,341	4.2				
Mean	24	83	490	2,398	4.2				

ACCREDITED FOR TECHNICAL COMPETENCE
 Measurement Science and Technology No. 15393
 Authorised Signatory
M B Webb
 Date 11/6/2008

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 This page alone has no validity under specification C1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.

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