

CUSTOMER REFERENCE

BASE LINE

Sample description as provided by customer

Mass/unit area oz/yd² 610 g/m² Pile Fibre Content 100% NYLON

Construction Details Tufted Secondary Backing TILE Backing Bitumen

Style LEVEL LOOP PILE

The samples tested were MODULAR CARPET

Order No. APL 4C

Colour Corrugate

Pile Height 4 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 10/4/2008

Test Date 12/5/2008

ASSEMBLY SYSTEM DIRECT STICK

 details below.

The floor covering was directly stuck to the substrate using a Water Based Surface Contact 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 6.2 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 6.0 kW/m²
Full tests carried out in the Width Direction

SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	6.0	6.1	6.1	6.1
Smoke Development Rate (%.min)	526	538	507	524

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 6.1 kW/m²

MEAN SMOKE DEVELOPMENT RATE 524 %.min

OBSERVATIONS The samples shrunk away from the heat source then slowly ignited

	Authorised Signatory M. B. Webb Date 12/5/2008
	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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TEST REPORT No. 82636
LABORATORY REF: P082636

THE INFORMATION PROVIDED ON THIS PAGE OF THE TEST REPORT IS FOR THE SPONSORS USE ONLY AND WILL MEET THE REQUIREMENTS OF THE STANDARD. IT IS NOT REQUIRED UNDER CLAUSE C.1.10A OF THE BUILDING CODE OF AUSTRALIA

Pyrometer temperature
On calibration 576.6 °C
Start of test run 573.5
During test run 574.7

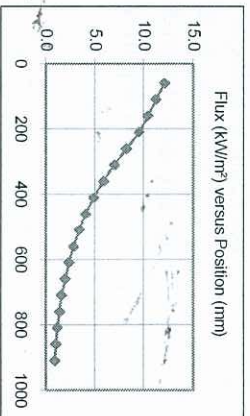
Chamber temperature
On calibration 99.2 °C
Start of test run 102.6
During test run 101.3

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	180	183	284	351	403	543	617	/											
2	177	181	293	382	429	561	628												
3	189	193	281	370	415	475	584	/											

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: Length	82	548	346	1,259				
Specimen Tests: Width								
1	79	526	355	1,147	(n/a)			
2	80	538	350	1,289				
3	82	507	350	1,222	(n/a)			
Mean	80	524	352	1,219				

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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 C.1.10a Fire Hazard Properties (Floors) of the Building Code of Australia.
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Date 12/5/2008