

CUSTOMER REFERENCE

TACTICS 20

Sample description as provided by customer

Order No. 1124

Mass/unit area oz/yd² 680 g/m² Pile Fibre Content 100% SOLUTION DYED POLYPROPYLENE

Construction Details Tufted Secondary Backing Synthetic

Colour Blue

Style Level Loop Graphic

Pile Height 4.5 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 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 12/7/2007

Test Date 1/8/2007

ASSEMBLY SYSTEM DIRECT STICK details below.

The floor covering was directly stuck to the substrate using ROBERTS 95 SF 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 2.5 kW/m²
Specimen 1 Width Direction Critical Radiant Flux 2.4 kW/m²
Full tests carried out in the Width Direction


SPECIMEN	Width #1	Width #2	Width #3	Mean
Critical Radiant Flux (kW/m ²)	2.4	2.5	2.6	2.5
Smoke Development Rate (%.min)	201	219	198	206

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 2.5 kW/m²

MEAN SMOKE DEVELOPMENT RATE 206 %.min

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



Authorised Signatory **M. B. Webb**
Date 1/8/2007



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 534.9
 End of test run 537.9

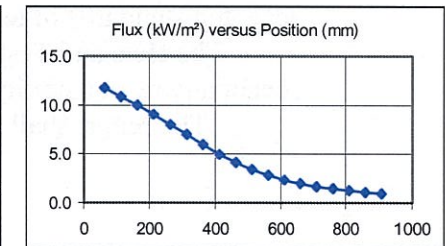
Chamber temperature
 On calibration 96.6°C
 Start of test run 94.9
 End of test run 97.6

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 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	160	165	223	268	326	391	429	474	540	830	1012	1392	/					
2	164	173	218	273	348	401	459	483	549	793	1058	1539						
3	159	164	248	285	359	428	473	502	579	826	1183	1425						

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	72	209	596	1,659	0.0
Specimen Tests: Width					
1	65	201	605	1,750	(n/a)
2	67	219	591	1,749	0.0
3	71	198	579	1,693	0.0
Mean	68	206	592	1,731	0.0



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NATA Reg. No. 15393
 Heat and temperature measurement.

Authorised Signatory

M B Webb

Date 1/8/2007

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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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