



Sponsor

Northstate Carpet Mills
14 Enterprise Street
Molendinar, Southport
Queensland 4214

AS/ISO 9239.1-2003 Test on Northstate Corporate Centre 11 Carpet

Objective

To determine the performance of the material samples as described in this report when subjected to the test conditions stated in the test standard referenced below

Product

Northstate Corporate Centre 11 Carpet

Test Reference

WFRA 499236

Date of Test

Date of test: 18 April 2006

Test Method

AS ISO 9239.1-2003

Supplementary Standards

Nil

This report should be read in conjunction with this standard.

Product Description

The specimens tested consisted of 1050mm x 230mm sections of Northstate Corporate Centre 11 carpet, manufactured and supplied by Northstate Carpet Mills. This carpet, identified by the test sponsor as being Northstate Corporate Centre 11 Struden XP 950 gsm graphic level loop 4.5mm pile carpet, blue/red/grey/beige in colour with woven synthetic primary and secondary backings. The specimens were directly adhered to 6.0 mm thick fibre-reinforced cement boards using Roberts 95 adhesive. Immediately prior to testing, the specimens were conditioned in accordance with BS EN 13238-2001 at a temperature of 23 +/- 2 deg C and relative humidity of 50 +/- 5% for a continuous period of more than 48 hours. The specimens were initially tested in both the warp and the weft directions with the remaining two specimens being tested in the warp direction. WFRA personnel were not involved with the selection of these test specimens.

TESTING AUTHORITY

Address

Warrington Fire Research (Aust) Pty Ltd

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Authorisation

Prepared By:

R.R. Lewins

Reviewed By:

G. J. Flower

Test Results – WFRA 499236

Test No. 1 (Warp)	Test Time (mins)	10	20	30	34
	Flame Length (mm)	390	450	480	490
	Flames self-extinguish at 34 minutes, Total flame spread 490mm				
Test No. 2 (Warp)	Test Time (mins)	10	20	30	36
	Flame length (mm)	380	470	490	500
	Flames self-extinguish at 36 minutes, Total flame spread 500mm				
Test No. 3 (Warp)	Test Time (mins)	10	20	30	35
	Flame Length (mm)	400	480	490	500
	Flames self-extinguish at 35 minutes, Total flame spread 500mm				
Test No. 4 (Weft)	Test Time (mins)	10	20	30	32
	Flame Length (mm)	300	460	470	480
	Flames self-extinguish at 32 minutes, Total flame spread 480mm				

Test Observations

Transitory flaming, melting and blistering together with penetration of the flames through to the fibre-reinforced cement board occurred during all of the above tests.

Critical Heat Flux and Smoke Obscuration Values

Test No.	Critical Heat Flux (kW/m ²)	Smoke Value (% min)
1	3.6	52
2	3.5	84
3	3.5	52
4	3.8	82

The mean Critical Heat Flux and Smoke Obscuration Values as determined from the results of the above tests numbered 1, 2 and 3 are 3.5kW/m² and 63% min, respectively.

The results of these tests may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions.

Conditions/Validity

- These tests have been conducted in accordance with AS ISO 9239.1-2003 and this report should be read in conjunction with that standard
- This test report does not provide an endorsement by Warrington Fire Research (Aust) Pty Ltd of the performance of the actual products supplied. The tests were performed at AWTA laboratories under the technical control of Warrington Fire Research (Aust) Pty. Ltd.

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