



LABORATORY

No.04/898Z

(Please quote this number in all correspondence)

CLIENT:
Cavalier Bremworth Limited
P O Box 97 040
Papatoetoe
AUCKLAND

SAMPLE RECEIVED FROM:
Cavalier Bremworth Limited

Date: 29/07/04

SAMPLE DESCRIPTION:
One carpet:-Prod 745 Batch 8876
(Green cut pile)

Attn: P Leyland

Client Order No.:

Client Reference:

1/2

BS EN ISO 9239-1:2002(E) REACTION TO FIRE TESTS FOR FLOORINGS.
(AS ISO 9239.1 – 2003)

Part 1. Determination of the burning behaviour using a radiant heat source.

These test results relate only to the behaviour of the product under the particular conditions of the test, and they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

Conditioning (EN 13238) : Constant weight @ 50±5 %RH, 23±2 °C.

Test Conditions :

Test date: 07/07/04

Pilot flames from line burner.

Substrate:- 4.5mm cement board.

Assembly System:- Loose laid over waffle underlaid

Sampling :- Test samples cut from sample as supplied.

Results: After cleaning in accordance with ISO 11379 Laboratory Cleaning Procedure - using spray extraction.

Warp direction, initial test – Critical Heat Flux (CHF) = 8.3 kW/m².

Weft direction, initial test – Critical Heat Flux (CHF) = 8.1 kW/m².

Weft direction

Sample	CHF (At flame out)	Test Duration (At flame out)	Heat flux kW/m ² at			Burn Length (cm)
			10 mins	20 mins	30 mins	
Specimen 1	8.1 kW/m ²	6 mins	-	-	-	25
Specimen 2	7.6 kW/m ²	5 mins	-	-	-	27
Specimen 3	7.2 kW/m ²	6 mins	-	-	-	29
Average	7.7 kW/m ²	5.7 mins				27.0

Observations: Singed, charred and ignited

L A Greer, Testing Manager
Signatory

14/07/2006



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Distance Burnt mm	Time for each Specimen to reach marker (secs)		
	1	2	3
50	6	4	5
100	12	18	17
150	43	42	45
200	144	149	155
250	243	218	255

Appendix A Smoke Measurement

Specimen	Direction of test	maximum %	% x min.
Initial Test	Warp	11.7	14
1	Weft	5.9	8
2	Weft	5.3	23
3	Weft	5.2	48
Average of 3 samples (1 to 3)			
		5.4	26

L A Greer, Testing Manager
Signatory

14/07/2006