

To. k. vito EXPORT

02-318-3433

canesis test report

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LABORATORY

No.06/672

(Please quote this number in all correspondence)

CLIENT:
Carpets International Thailand Public
Company Ltd
80 Moo 1,
Tambol Bangkuwat,
Aumphur Muang,
Pathumthani 12000
THAILAND

SAMPLE RECEIVED FROM:
Carpets International Thailand Public Company Ltd

Date: 14.03.06

SAMPLE DESCRIPTION:
One carpet tile, Machine tufted, 100% Nylon, Needle
punched backing.

Attn: Benjawan Siriklattikul

Client Order No.: Client Reference:

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ASTM E648 – 2000 CRITICAL RADIANT FLUX OF FLOOR-COVERING SYSTEMS USING A RADIANT HEAT ENERGY SOURCE

This test was developed to provide a basis for estimating one aspect of the likelihood of floor-coverings to spread flame in corridors and exit ways given a fully developed fire in an adjacent room.

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

Test Conditions :

Test date: 04.04.06
Pilot flames from line burner.
Substrate:- 6mm cement board.
Assembly System:- Samples direct stuck to cement board using Acrylic waterbased adhesive.
Sampling :- Test samples cut from sample as supplied.

Results:

Warp direction, initial test – Critical Heat Flux (CHF) = 8.9 kW/m².

Warp direction

Sample	CHF (At flame out)	Test Duration (At flame out)	Heat flux kW/m ² at				Burn Length (cm)
			10 mins	15 mins	20 mins	30 mins	
Specimen 1	8.9 kW/m ²	16 mins	9.5	8.9	-	-	24
Specimen 2	8.4 kW/m ²	17 mins	10.4	8.4	-	-	26
Specimen 3	9.1 kW/m ²	20 mins	11.0	9.1	-	-	23
Average	8.8 kW/m ²	18 mins	10.3	8.8	-	-	24

Observations: The samples melted and then ignited.

L A Greer, Testing Manager
Signatory

07/04/2006



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