



Pedisystems®

PediTred G4 Radiant Flux of Floor Covering Test

TSI TESTING SERVICES, INC.
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NVLAP Code # 100108-0

TEST REPORT

CLIENT:	C/S Group, Inc.	REPORT NUMBER:	42623
	Research & Development Center	LAB TEST NUMBER:	1978-4929
	4660 Paradise Road	DATE:	September 22, 2008
	Milton, PA 17847		

TEST MATERIAL:

Identification	Insert	Connector	Color
PediTred (G4)	HD Carpet	EPDM Rubber Hinge	Slate

SUBJECT: Testing Services Inc was instructed by the client to perform a procedure for measuring the critical radiant flux of horizontally mounted floor-covering systems exposed to a flaming ignition source in a graded radiant heat energy environment in a test chamber.

SCOPE OF TEST: This fire test standard is designed to provide a basis for estimating one aspect of the fire exposure behavior of a floor-covering system installed in a building corridor.

TEST METHOD: *ASTM E648: Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source*

TEST INFORMATION: Specimens of the sample were tested for critical radiant flux in accordance with ASTM Test Method E-648, NFPA 253 and FTM Standard 372. The value reported is the average of three specimens, reported as Critical Radiant Flux in units of watts per centimeter squared (W/cm²).

Mounting Board: Astone Fabricators Inc. (AFI) Tunnel Board Z Calcium Silicate Board
Adhesive: Henry 356 Multi Purpose
Trowel: 1/8" X 1/8" X 1/8"
Conditioning: Minimum 96 hrs @ 70°F 50% RH

CLASSIFICATIONS: NFPA: Class I= 0.45 W/cm² or higher
 Class II = 0.22 – 0.44 W/cm²
 No Classification= <0.21 W/cm²

TEST DATA:

Specimen	Time	Distance	Critical Radiant Flux
#1	25 min	29.5 cm	0.70 W/cm ²
#2	31 min	33.1 cm	0.63 W/cm ²
#3	21 min	29.9 cm	0.69 W/cm ²
Standard Deviation: 0.04			
Coefficient of Variation: 5.74%			

TEST RESULTS:

Average Critical Radiant Flux	NFPA Classification
0.67 W/cm ²	I

Approved By:

Digitally signed by Erle Miles, Jr.
 DN: CN = Erle Miles, Jr., C = US,
 O = Testing Services Inc., OU =
 Testing Services Inc.
 Date: 2008.09.22 15:54:03 -0400

Erle Miles, Jr. VP
 Testing Services Inc.

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