## **TEST REPORT**

CLIENT:	C/S Milton Research & Development Center	REPORT NUMBER:	56469
	4660 Paradise Road, PO Box 378	LAB TEST NUMBER:	2486-4584
	Milton, PA 17847	DATE:	October 29, 2012

## SAMPLE ID:

Identification					
Pedimat M1 with HD Carpet					
<u>SUBJECT:</u>	Testing Services Inc was instructed by the client to perform a procedure for measuring the critical radiant flux of horizontally laid 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/cm <sup>2</sup> ).				
	<u>Mounting Board:</u> <u>Adhesive:</u> <u>Trowel:</u> <u>Conditioning:</u>	Astone Fabricators Inc. (AFI) Tunnel Board Z Calcium Silicate Board Loose Laid N/A Minimum 96 hrs @ 70°F 50% RH			
<u>CLASSIFICATIONS:</u>	NFPA:	Class I= 0.45 W/cm <sup>2</sup> or higher Class II = 0.22 – 0.44 W/cm <sup>2</sup> Non Classifiable= <0.21 W/cm <sup>2</sup>			
<u>TEST DATA:</u>					

Specimen	Time	Distance	Critical Radiant Flux
#1	15 min	12.0 cm	1.02 W/cm <sup>2</sup>
#2	22 min	28.5 cm	0.72 W/cm <sup>2</sup>
#3	22 min	24.0 cm	0.82 W/cm <sup>2</sup>
Standard Deviation: 0.15			
Coefficient of Variation: 17.90%			

## TEST RESULTS:

Average Critical Radiant Flux	NFPA Classification	
0.85 W/cm <sup>2</sup>	I	

Approved By:

Erle Miles, Jr., VP **Testing Services Inc.** 

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