



## TEST REPORT

<b>CLIENT:</b>	Mannington Commercial	<b>REPORT NUMBER:</b>	57196A
	PO Box 12281	<b>LAB TEST NUMBER:</b>	2508-5450
	Calhoun GA 30703-7004	<b>DATE:</b>	February 4, 2013

**TEST MATERIAL:**

<b>Style</b>	<b>Backing</b>
Circ	Infinity Modular

**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/cm<sup>2</sup>).

**Mounting Board:** Astone Fabricators Inc. (AFI) Tunnel Board Z Calcium Silicate Board  
**Adhesive:** Infinity  
**Trowel:** 1/16" x 1/32" x 1/32"  
**Conditioning:** Minimum 96 hrs @ 70°F 50% RH

**CLASSIFICATIONS:** NFPA: **Class I=** 0.45 W/cm<sup>2</sup> or higher  
**Class II =** 0.22 – 0.44 W/cm<sup>2</sup>  
**No Classification=** <0.21 W/cm<sup>2</sup>

**TEST DATA:**

Specimen	Time	Distance	Critical Radiant Flux
#1	14 min	25.5 cm	0.78 W/cm <sup>2</sup>
#2	12 min	23.6 cm	0.82 W/cm <sup>2</sup>
#3	13 min	25.6 cm	0.78 W/cm <sup>2</sup>
Standard Deviation: 0.02			
Coefficient of Variation: 2.90%			

**TEST RESULTS:**

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

Approved By:

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

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