



TESTING SERVICES, INC.
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NVLAP Code # 100108-0

TEST REPORT

CLIENT:	Mannington Commercial	REPORT NUMBER:	57025A
	PO Box 12281	LAB TEST NUMBER:	2505-5327
	Calhoun GA 30703-7004	DATE:	January 17, 2013

TEST MATERIAL:

Style	Backing
Circ	Integra HP

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: Integra 2-HPRE™
Trowel: 1/16" x 1/16" x 1/16"
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	11 min	19.7 cm	0.90 W/cm ²
#2	10 min	18.8 cm	0.92 W/cm ²
#3	11 min	18.3 cm	0.93 W/cm ²
Standard Deviation: 0.01 Coefficient of Variation: 1.52%			

TEST RESULTS:

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

Approved By:

Erle Miles, Jr. VP
 Testing Services Inc.

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