



TEST REPORT

CLIENT:	C/S Milton Research & Development Center	REPORT NUMBER:	56466
	4660 Paradise Road, PO Box 378	LAB TEST NUMBER:	2486-4581
	Milton, PA 17847	DATE:	October 29, 2012

SAMPLE ID:

Identification
Pedigrid G1 with HD Carpet

SUBJECT: 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/cm²).

Mounting Board: Astone Fabricators Inc. (AFI) Tunnel Board Z Calcium Silicate Board
Adhesive: Loose Laid
Trowel: N/A
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
 Non Classifiable= <0.21 W/cm²

TEST DATA:

Specimen	Time	Distance	Critical Radiant Flux
#1	28 min	34.0 cm	0.60 W/cm ²
#2	29 min	30.0 cm	0.69 W/cm ²
#3	28 min	30.0 cm	0.69 W/cm ²
Standard Deviation: 0.05 Coefficient of Variation: 7.26%			

TEST RESULTS:

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

Approved By:

 Erle Miles, Jr., VP
 Testing Services Inc.