

Independent  Textile  
**Testing**  
Service, Inc.

Test Number: 154807-1

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722  
Phone: 706-278-3013 • Fax: 706-272-7057 • E-mail: info@ittslab.com

Test Report

Customer: Mannington Commercial

April 20, 2015

Subject: Specimens of the submitted sample were prepared and tested in accordance with  
ASTM E 648-10 and/or Federal Test Method 372. NFPA 253

**FLOORING RADIANT PANEL TEST**

**Sample Description**

Style: Elevation  
Back: Infinity Modular

**Test Assembly**

Mounted on 6mm FRC Board  
(Using Premium Multi Purpose Adhesive)

<u>Test Results</u>	<u>Specimen No. 1</u>	<u>Specimen No. 2</u>	<u>Specimen No. 3</u>
Critical Radiant Flux	0.51 watts/cm <sup>2</sup>	0.49 watts/cm <sup>2</sup>	0.46 watts/cm <sup>2</sup>
Total Burn Length	39.0 cm	40.0 cm	42.0 cm
Flame Front Out	31.0 minutes	33.0 minutes	38.0 minutes

**Average Critical Radiant Flux**                      0.49 watts/cm<sup>2</sup>  
Estimated Standard Deviation                      0.03 watts/cm<sup>2</sup>  
5.2% coefficient of variation

  
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President L. Kent Suddeth

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Test Report

**Customer:** Mannington Commercial

April 20, 2015

**Subject:** Specimens of the submitted sample were prepared and tested in accordance with the procedures proposed by the National Institute of Standards and Technology (formerly National Bureau of Standards), Technical Note 708 and NFPA 258, ASTM E 662-06.

**SMOKE DENSITY TEST (NIST)**

**Operating Conditions**

Irradiance: 2.5 watts/cm<sup>2</sup> G Factor 132  
 Thermal Exposure: Flaming  
 Furnace Voltage: 99  
 Burner Fuel: Propane

**Sample Description**

Style: Elevation  
 Back: Infinity Modular

**Test Results**

	#1	#2	#3	Average
Chamber Temperature, °F (start)	95	95	95	
Chamber Pressure	Maintained positive, under 3" H <sub>2</sub> O			
Minimum Transmittance (TM), %	49%	53%	41%	
at, minutes	5.12	4.05	7.25	5.47
Maximum Specific Optical Density (DM)	305	300	315	307
Clear Beam, (DC)	50	50	5	5142
<b>DM, CORRECTED (DMC)</b>	255	250	264	256
Specific Optical Density at 1.5 minutes	59	67	39	55
Specific Optical Density at 4.0 minutes	301	299	309	303
Time to 90% DM, minutes	3.24	3.18	3.35	3.26
Time to DS = 16, minutes	1.15	1.13	1.23	1.17



President L. Kent Suddeth