

# Independent Textile Testing Service, Inc.

Test Number: 154960

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 15, 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: Ramie  
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	0.76 watts/cm <sup>2</sup>	0.68 watts/cm <sup>2</sup>	0.71 watts/cm <sup>2</sup>
Total Burn Length	27.0 cm	31.0 cm	30.0 cm
Flame Front Out	15.0 minutes	15.0 minutes	15.0 minutes

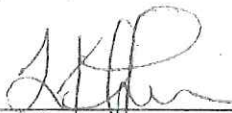
#### Average Critical Radiant Flux

0.72 watts/cm<sup>2</sup>

Estimated Standard Deviation

0.04 watts/cm<sup>2</sup>

5.6% coefficient of variation



President L. Kent Suddeth

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 15, 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: Ramie  
 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), %	28%	41%	49%	
at, minutes	3.88	7.39	7.65	6.31
Maximum Specific Optical Density (DM)	337	315	305	319
Clear Beam, (DC)	46	51	54	50
<b>DM, CORRECTED (DMC)</b>	291	264	251	269
Specific Optical Density at 1.5 minutes	22	25	25	24
Specific Optical Density at 4.0 minutes	333	290	290	304
Time to 90% DM, minutes	3.37	3.35	3.35	3.36
Time to DS = 16, minutes	1.43	1.40	1.40	1.41



President L. Kent Suddeth