

# Independent Textile Testing Service, Inc.

Test Number: 156833

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

July 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: Moso  
Back: Integra HP

#### 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>
<b>Critical Radiant Flux</b>	0.84 watts/cm <sup>2</sup>	0.84 watts/cm <sup>2</sup>	0.78 watts/cm <sup>2</sup>
<b>Total Burn Length</b>	23.0 cm	23.0 cm	26.0 cm
<b>Flame Front Out</b>	15.0 minutes	15.0 minutes	15.0 minutes

#### Average Critical Radiant Flux

0.82 watts/cm<sup>2</sup>

Estimated Standard Deviation

0.03 watts/cm<sup>2</sup>

4.2% coefficient of variation



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Test Report

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July 15, 2015

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**SMOKE DENSITY TEST (NIST)**

**Operating Conditions**

Irradiance: 2.5 watts/cm<sup>2</sup>                      G Factor                      132  
 Thermal Exposure:                      Flaming  
 Furnace Voltage:                      102  
 Burner Fuel:                      Propane

**Sample Description**

Style: Moso  
 Back: Integra HP

**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), %	31%	69%	30%	
at, minutes	8.73	6.68	7.77	7.73
Maximum Specific Optical Density (DM)	463	417	465	448
Clear Beam, (DC)	77	57	64	66
<b>DM, CORRECTED (DMC)</b>	386	360	401	382
Specific Optical Density at 1.5 minutes	117	105	127	116
Specific Optical Density at 4.0 minutes	424	373	431	409
Time to 90% DM, minutes	3.73	4.88	3.25	3.95
Time to DS = 16, minutes	0.88	0.87	0.87	0.87



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