

# Independent Textile Testing Service, Inc.

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

August 28, 2012

**Subject:** Specimens of the submitted sample were prepared and tested in accordance with ASTM E 648-06 and/or Federal Test Method 372. NFPA 253

### FLOORING RADIANT PANEL TEST

#### Sample Description

Style: Online  
 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>
<b>Critical Radiant Flux</b>	0.66 watts/cm <sup>2</sup>	0.74 watts/cm <sup>2</sup>	0.78 watts/cm <sup>2</sup>
<b>Total Burn Length</b>	32.0 cm	28.0 cm	26.0 cm
<b>Flame Front Out</b>	15.0 minutes	15.0 minutes	15.0 minutes

#### Average Critical Radiant Flux

**0.73 watts/cm<sup>2</sup>**

Estimated Standard Deviation

**0.06 watts/cm<sup>2</sup>**

**8.4% 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

August 28, 2012

**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**

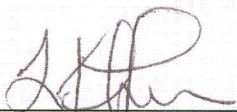
Irradiance: 2.5 watts/cm<sup>2</sup>                      G Factor                      132  
 Thermal Exposure: Flaming  
 Furnace Voltage: 100  
 Burner Fuel: Propane

**Sample Description**

Style: Online  
 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), %	10%	67%	20%	
at, minutes	7.13	8.70	4.93	6.92
Maximum Specific Optical Density (DM)	396	419	488	434
Clear Beam, (DC)	55	67	75	66
<b>DM, CORRECTED (DMC)</b>	341	352	413	369
Specific Optical Density at 1.5 minutes	69	75	75	73
Specific Optical Density at 4.0 minutes	348	369	414	377
Time to 90% DM, minutes	4.27	4.12	4.25	4.21
Time to DS = 16, minutes	1.10	1.08	1.03	1.07



\_\_\_\_\_  
 President L. Kent Suddeth

Our letters and reports are for the exclusive use of the customer to whom they are addressed, and their communication to any others or the use of the name of Independent Textile Testing Service, Inc., must receive our prior written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The reports and letters and the name of Independent Textile Testing Service, Inc., are not to be used under any circumstances in advertising to the general public.