

Test Number: 164244

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

June 8, 2016

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 662-15a.

# **SMOKE DENSITY TEST (NIST)**

## **Operating Conditions**

Irradiance:

2.5 watts/cm<sup>2</sup>

G Factor

132

Thermal Exposure: Furnace Voltage:

Flaming 102

**Burner Fuel:** 

Propane

## **Sample Description**

Style: Circuit

**Back: Infinity Modular** 

#### **Test Results**

**Chamber Pressure** 

Minimum Transmittance (TM), %

at, minutes

Maximum Specific Optical Density (DM)

Clear Beam, (DC)

DM, CORRECTED (DMC)

Specific Optical Density at 1.5 minutes

Specific Optical Density at 4.0 minutes

Time to 90% DM, minutes

Time to DS = 16, minutes

#1	#2	#3	Average
95	95	95	

Maintained positive, under 3" H<sub>2</sub>O

	36%	65%	53%			
6.89	6.77	6.98	6.91			
304	323	289	300			
48	50	47	48			
256	273	242	252			
32	40	26	31			
266	299	241	259			
3.93	3.32	4.42	4.05			
1.34	1.28	1.38	1.35			

Kent Suddeth



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Subject: Specimens of the submitted sample were prepared and tested in accordance with

ASTM E 648-15e1 and/or Federal Test Method 372, NFPA 253

# **FLOORING RADIANT PANEL TEST**

## **Sample Description**

Style: Circuit

Back: Infinity Modular

# **Test Assembly**

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

Test Results	Specimen No. 1	Specimen No. 2	Specimen No. 3
Critical Radiant Flux	0.57 watts/cm <sup>2</sup>	0.54 watts/cm <sup>2</sup>	0.57 watts/cm <sup>2</sup>
Total Burn Length	36.0 cm	38.0 cm	36.0 cm
Flame Front Out	25.0 minutes	23.0 minutes	21.0 minutes

**Average Critical Radiant Flux** 0.56 watts/cm<sup>2</sup>

**Estimated Standard Deviation** 0.02 watts/cm<sup>2</sup>

3.1% coefficient of variation

President L. Kent Suddeth