

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722
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Test Report

Customer: Mannington Commercial

June 10, 2016

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: Current
 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	0.50 watts/cm ²	0.48 watts/cm ²	0.48 watts/cm ²
Total Burn Length	40.0 cm	41.0 cm	41.0 cm
Flame Front Out	22.0 minutes	23.0 minutes	24.0 minutes

Average Critical Radiant Flux **0.49 watts/cm²**

Estimated Standard Deviation **0.01 watts/cm²**

2.4% coefficient of variation



 President L. Kent Suddeth

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June 10, 2016

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 662-15a.

SMOKE DENSITY TEST (NIST)

Operating Conditions

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

Sample Description

Style: Current
Back: Infinity Modular

Test Results

	#1	#2	#3	Average
Chamber Temperature, °F (start)	95	95	95	
Chamber Pressure	Maintained positive, under 3" H ₂ O			
Minimum Transmittance (TM), %	20%	13%	24%	
at, minutes	7.78	3.90	8.22	6.63
Maximum Specific Optical Density (DM)	224	249	214	229
Clear Beam, (DC)	24	24	24	24
DM, CORRECTED (DMC)	200	225	190	205
Specific Optical Density at 1.5 minutes	48	54	47	50
Specific Optical Density at 4.0 minutes	216	249	207	224
Time to 90% DM, minutes	3.16	2.98	3.25	3.13
Time to DS = 16, minutes	1.21	1.18	1.23	1.21

President L. Kent Suddeth