

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

Customer: Mannington Commercial

April 20, 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: Raffia
 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	0.71 watts/cm ²	0.58 watts/cm ²	0.64 watts/cm ²
Total Burn Length	30.0 cm	36.0 cm	33.0 cm
Flame Front Out	15.0 minutes	20.0 minutes	15.0 minutes

Average Critical Radiant Flux **0.64 watts/cm²**
 Estimated Standard Deviation **0.07 watts/cm²**
 10.1% coefficient of variation



President L. Kent Suddeth

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Test Report

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April 20, 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/cm² G Factor 132
 Thermal Exposure: Flaming
 Furnace Voltage: 99
 Burner Fuel: Propane

Sample Description

Style: Raffia
 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), %	35%	38%	34%	
at, minutes	6.92	5.89	3.88	5.56
Maximum Specific Optical Density (DM)	324	319	326	323
Clear Beam, (DC)	43	43	43	43
DM, CORRECTED (DMC)	281	276	283	280
Specific Optical Density at 1.5 minutes	32	32	32	32
Specific Optical Density at 4.0 minutes	309	321	326	319
Time to 90% DM, minutes	3.25	3.20	3.17	3.21
Time to DS = 16, minutes	1.37	1.36	1.35	1.36



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