

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: Raffia
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>
Critical Radiant Flux	0.92 watts/cm ²	0.84 watts/cm ²	0.84 watts/cm ²
Total Burn Length	19.0 cm	23.0 cm	23.0 cm
Flame Front Out	15.0 minutes	15.0 minutes	15.0 minutes

Average Critical Radiant Flux **0.87 watts/cm²**
Estimated Standard Deviation **0.05 watts/cm²**
5.3% coefficient of variation



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Test Report

Customer: Mannington Commercial

July 15, 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: 102
 Burner Fuel: Propane

Sample Description

Style: Raffia
 Back: Integra HP

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), %	83%	71%	46%	
at, minutes	7.37	8.35	7.03	7.58
Maximum Specific Optical Density (DM)	407	416	441	421
Clear Beam, (DC)	55	65	73	64
DM, CORRECTED (DMC)	352	351	368	357
Specific Optical Density at 1.5 minutes	133	143	113	130
Specific Optical Density at 4.0 minutes	386	369	391	382
Time to 90% DM, minutes	3.13	6.00	4.27	4.47
Time to DS = 16, minutes	0.88	0.78	0.90	0.85


 President L. Kent Suddeth