

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722
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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 ASTM E 648-10 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description

Style: Ramie
 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	0.87 watts/cm ²	0.83 watts/cm ²	0.83 watts/cm ²
Total Burn Length	21.0 cm	23.0 cm	23.0 cm
Flame Front Out	15.0 minutes	15.0 minutes	15.0 minutes

Average Critical Radiant Flux **0.84 watts/cm²**

Estimated Standard Deviation **0.02 watts/cm²**

2.7% coefficient of variation



 President L. Kent Suddeth

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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: Ramie
 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), %	72%	68%	50%	
at, minutes	7.60	8.02	7.32	7.65
Maximum Specific Optical Density (DM)	415	418	436	423
Clear Beam, (DC)	60	65	60	62
DM, CORRECTED (DMC)	355	353	376	361
Specific Optical Density at 1.5 minutes	109	122	95	109
Specific Optical Density at 4.0 minutes	377	396	397	390
Time to 90% DM, minutes	3.63	3.22	3.73	3.53
Time to DS = 16, minutes	0.97	0.97	1.00	0.98



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