

Independent Textile Testing Service, Inc.

Test Number: 154808

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

April 16, 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: Mesh
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	0.61 watts/cm ²	0.46 watts/cm ²	0.51 watts/cm ²
Total Burn Length	34.0 cm	42.0 cm	39.0 cm
Flame Front Out	29.0 minutes	35.0 minutes	31.0 minutes

Average Critical Radiant Flux 0.53 watts/cm²
Estimated Standard Deviation 0.08 watts/cm²
14.5% coefficient of variation



President L. Kent Suddeth

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Test Report

Customer: Mannington Commercial

April 16, 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: Mesh
 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), %	72%	55%	12%	
at, minutes	7.31	6.93	8.08	7.44
Maximum Specific Optical Density (DM)	283	298	254	278
Clear Beam, (DC)	42	42	43	42
DM, CORRECTED (DMC)	241	256	211	236
Specific Optical Density at 1.5 minutes	57	62	46	55
Specific Optical Density at 4.0 minutes	264	268	245	259
Time to 90% DM, minutes	4.34	4.78	3.45	4.19
Time to DS = 16, minutes	1.18	1.15	1.23	1.19



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