

Independent  Textile
Testing
Service, Inc.

Test Number: 171531

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

May 10, 2017

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: Fan Fold
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	0.67 watts/cm ²	0.61 watts/cm ²	0.61 watts/cm ²
Total Burn Length	31.0 cm	34.0 cm	34.0 cm
Flame Front Out	27.0 minutes	30.0 minutes	31.0 minutes

Average Critical Radiant Flux 0.63 watts/cm²
Estimated Standard Deviation 0.03 watts/cm²
5.5% coefficient of variation



President L. Kent Suddeth

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Test Report

Customer: Mannington Commercial

May 10, 2017

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/cm² G Factor 132
 Thermal Exposure: Flaming
 Furnace Voltage: 102
 Burner Fuel: Propane

Sample Description

Style: Fan Fold
 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), %	10%	77%	68%	
at, minutes	7.72	7.79	7.82	7.78
Maximum Specific Optical Density (DM)	264	279	286	276
Clear Beam, (DC)	29	33	35	32
DM, CORRECTED (DMC)	235	246	251	244
Specific Optical Density at 1.5 minutes	30	24	21	25
Specific Optical Density at 4.0 minutes	227	234	237	233
Time to 90% DM, minutes	5.27	5.10	5.02	5.13
Time to DS = 16, minutes	1.35	1.40	1.43	1.39



President L. Kent Suddeth