

Independent Textile Testing Service, Inc.

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

August 28, 2012

Subject: Specimens of the submitted sample were prepared and tested in accordance with ASTM E 648-06 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description


Style: Off Line Loop
 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	0.79 watts/cm ²	0.75 watts/cm ²	0.79 watts/cm ²
Total Burn Length	25.0 cm	27.0 cm	25.0 cm
Flame Front Out	15.0 minutes	15.0 minutes	15.0 minutes

<u>Average Critical Radiant Flux</u>	0.78 watts/cm²
Estimated Standard Deviation	0.02 watts/cm²
	3.0% coefficient of variation



President L. Kent Suddeth

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Test Report

Customer: Mannington Commercial

August 28, 2012

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/cm ²	G Factor	132
Thermal Exposure:	Flaming		
Furnace Voltage:	100		
Burner Fuel:	Propane		

Sample Description

Style: Off Line Loop
 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), %	22%	21%	25%	
at, minutes	5.00	4.93	8.10	6.01
Maximum Specific Optical Density (DM)	483	485	475	481
Clear Beam, (DC)	59	65	75	66
DM, CORRECTED (DMC)	424	420	400	415
Specific Optical Density at 1.5 minutes	73	71	69	71
Specific Optical Density at 4.0 minutes	416	429	435	427
Time to 90% DM, minutes	4.25	4.05	3.97	4.09
Time to DS = 16, minutes	1.10	1.13	1.10	1.11



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