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 Number: 173568

Test Report

Customer: Mannington Commercial August 14, 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 / Broadloom

Test Assembly

Mounted on 6mm FRC Board
(Using Premium Multi Purpose Adhesive)

Test Results	Specimen No. 1	Specimen No. 2	Specimen No. 3
Critical Radiant Flux	0.97 watts/cm^2	0.92 watts/cm^2	0.92 watts/cm^2
Total Burn Length	18.0 cm	20.0 cm	20.0 cm
Flame Front Out	18.0 minutes	15.0 minutes	16.0 minutes

Average Critical Radiant Flux	**0.94**	**watts/cm^2**
Estimated Standard Deviation	**0.03**	**watts/cm^2**
	3.1%	**coefficient of variation**

President L. Kent Suddeth

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Test Number: 173568

Test Report

Customer: Mannington Commercial

August 14, 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/cm^2	G Factor	132
Thermal Exposure:	Flaming		
Furnace Voltage:	101		
Burner Fuel:	Propane		

Sample Description

Style: Fan Fold / Broadloom

Test Results

	#1	#2	#3	Average
Chamber Temperature, °F (start)	95	95	95	
Chamber Pressure	Maintained positive, under 3" H_2O			
Minimum Transmittance (TM), %	25%	23%	24%	
at, minutes	5.11	5.03	5.15	5.10
Maximum Specific Optical Density (DM)	211	216	214	214
Clear Beam, (DC)	24	28	24	25
DM, CORRECTED (DMC)	187	188	190	188
Specific Optical Density at 1.5 minutes	113	127	117	119
Specific Optical Density at 4.0 minutes	205	211	207	208
Time to 90% DM, minutes	1.95	1.90	1.92	1.92
Time to DS = 16, minutes	1.15	1.07	1.12	1.11

President L. Kent Suddeth