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Test Report

Customer: Mannington Commercial

June 8, 2016

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: Circuit
 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), %	53%	65%	36%	
at, minutes	6.91	6.98	6.77	6.89
Maximum Specific Optical Density (DM)	300	289	323	304
Clear Beam, (DC)	48	47	50	48
DM, CORRECTED (DMC)	252	242	273	256
Specific Optical Density at 1.5 minutes	31	26	40	32
Specific Optical Density at 4.0 minutes	259	241	299	266
Time to 90% DM, minutes	4.05	4.42	3.32	3.93
Time to DS = 16, minutes	1.35	1.38	1.28	1.34



President L. Kent Suddeth

