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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

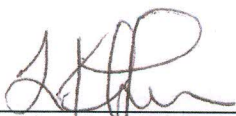
Irradiance: 2.5 watts/cm² G Factor 132
 Thermal Exposure: Flaming
 Furnace Voltage: 100
 Burner Fuel: Propane

Sample Description

Style: Media
 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%	67%	20%	
at, minutes	7.13	8.70	4.93	6.92
Maximum Specific Optical Density (DM)	396	419	488	434
Clear Beam, (DC)	55	67	75	66
DM, CORRECTED (DMC)	341	352	413	369
Specific Optical Density at 1.5 minutes	69	75	75	73
Specific Optical Density at 4.0 minutes	348	369	414	377
Time to 90% DM, minutes	4.27	4.12	4.25	4.21
Time to DS = 16, minutes	1.10	1.08	1.03	1.07



President L. Kent Suddeth