

# Independent Textile Testing Service, Inc.

Test Number: 144713

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## Test Report

**Customer:** UPOFLOOR

May 27, 2014

**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 <sup>2</sup>	G Factor	132
Thermal Exposure:	Flaming		
Furnace Voltage:	101		
Burner Fuel:	Propane		

#### Sample Description

Xpression 1171  
Batch 4010  
Date of Manufacturing: 14th Feb. 2014  
Manufacturer: Upofloor

#### Test Results

Chamber Temperature, °F (start)  
Chamber Pressure  
Minimum Transmittance (TM), %  
at, minutes  
Maximum Specific Optical Density (DM)  
Clear Beam, (DC)  
**DM, CORRECTED (DMC)**  
Specific Optical Density at 1.5 minutes  
Specific Optical Density at 4.0 minutes  
Time to 90% DM, minutes  
Time to DS = 16, minutes

#1	#2	#3	Average
95	95	95	
Maintained positive, under 3" H <sub>2</sub> O			
82%	89%	70%	
4.35	5.12	2.80	4.09
275	271	284	277
35	36	32	34
240	235	252	242
101	105	92	99
268	266	267	267
2.07	1.98	2.26	2.10
1.06	1.05	1.09	1.07

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President L. Kent Suddeth

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