

# Independent Textile Testing Service, Inc.

Test No: 143915

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:** Shaw Contract

April 4, 2014

**Subject:** Sample(s) of carpet submitted for testing by the customer and identified below:

**Sample Identification:** Style name: Unwind Tile  
Style/Inventory #: 5T090  
Color: 00001  
Roll #: QN00AD-K  
Back: EcoWorx  
Test #: S-140325-00051

**Test Method Conducted**  
**AATCC 134-2011**  
**Electrostatic Propensity of Carpets**

### Purpose and Scope

This test method is designed to assess the static generating propensity of carpets developed when a person walks across them by controlled laboratory simulation of conditions which may be met in practice, and more particularly, with respect to those conditions which are known from experience to be strongly contributory to excessive accumulation of static charges.

**Test Conditions:**

**Chamber Temperature:** 70° F.

**Chamber Relative Humidity:** 20%

Test Results:	Sole	Underlay	Maximum Voltage 1 (kV)	Maximum Voltage 2 (kV)	Averages (kV)
Test I Step Test	Neolite	Plate	Neg. 0.8	Neg. 1.0	Neg. 0.9
Test II Scuff Test	Neolite	Plate	Neg. 0.4	Neg. 0.8	Neg. 0.6
Test III Step Test	Leather	Plate	Neg. 0.9	--	--
Test IV Scuff Test	Leather	Plate	Pos. 0.9	--	--

**Soles:**

- a) Neolite XS 664
- b) Suede Leather

**Underlayment:**

- a) Plate: Earth grounded metal plate
- b) H/J: Standard 40 oz./yd<sup>2</sup> rubberized Hair/Jute cushion

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President L. Kent Suddeth

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## Test Report

**Customer:** Shaw Contract

April 4, 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:	Non-flaming		
Furnace Voltage:	106		
Burner Fuel:	--		

### Sample Description

Style name: Unwind Tile  
Style/Inventory #: 5T090  
Color: 00001  
Roll #: QN00AD-K  
Backing Type: EcoWorx  
Test #: S-140325-00051

### Test Results

	#1	#2	#3	Average
Chamber Temperature, °F (start)	95	95	95	
Chamber Pressure	Maintained positive, under 3" H <sub>2</sub> O			
Minimum Transmittance (TM), %	97%	26%	31%	
at, minutes	20.00	20.00	20.00	20.00
Maximum Specific Optical Density (DM)	266	209	199	225
Clear Beam, (DC)	1	1	1	1
<b>DM, CORRECTED (DMC)</b>	265	208	198	224
Specific Optical Density at 1.5 minutes	1	1	1	1
Specific Optical Density at 4.0 minutes	28	23	19	23
Time to 90% DM, minutes	14.38	17.28	15.13	15.60
Time to DS = 16, minutes	3.48	3.60	3.90	3.66

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Test Report

Customer: Shaw Contract

April 4, 2014

Subject: Specimens of the submitted sample were prepared and tested in accordance with  
ASTM E 648-10 and/or Federal Test Method 372. NFPA 253

FLOORING RADIANT PANEL TEST

Sample Description


Style Name: Unwind Tile  
Style/Inventory #: 5T090  
Color: 00001  
Roll #: QN00AD-K  
Backing Type: EcoWorx  
Test #: S-140325-00051

Test Assembly

Mounted on 6mm FRC Board  
(Using Shaw G5000 Adhesive)

<u>Test Results</u>	<u>Specimen No. 1</u>	<u>Specimen No. 2</u>	<u>Specimen No. 3</u>
Critical Radiant Flux	0.78 watts/cm <sup>2</sup>	0.73 watts/cm <sup>2</sup>	0.84 watts/cm <sup>2</sup>
Total Burn Length	26.0 cm	28.0 cm	23.0 cm
Flame Front Out	15.0 minutes	16.0 minutes	15.0 minutes

Average Critical Radiant Flux                      0.78 watts/cm<sup>2</sup>  
Estimated Standard Deviation                      0.06 watts/cm<sup>2</sup>  
7.0% coefficient of variation

  
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President L. Kent Suddeth