

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

February 18, 2015

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

**Sample Identification:** Multilevel Pattern Loop  
 Style: 5T121 Basic Tile  
 Color: 00001  
 Roll #: AN1UPP-E  
 Backing Type: EcoWorx  
 Yarn Type: 100% Eco Solution Q  
 Test #: R-150206-13388

**GSA SIN Number:** 31-303: Carpet Tiles  
 31-601: Recycled and/or Biobased Content Flooring

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. 0.5	Neg. 0.7	Neg. 0.6
Test II Scuff Test	Neolite	Plate	Neg. 0.6	Neg. 0.9	Neg. 0.8
Test III Step Test	Leather	Plate	Neg. 0.3	--	--
Test IV Scuff Test	Leather	Plate	Pos. 0.3	--	--

**Soles:** Note: AATCC 171 conducted on specimen prior to static testing as per GSA requirements.

- 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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## Test Report

Customer: Shaw Contract

February 18, 2015

**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:	103		
Burner Fuel:	--		

**Sample Description**

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**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), %	25%	24%	28%	
at, minutes	17.78	16.93	19.47	18.06
Maximum Specific Optical Density (DM)	343	346	337	342
Clear Beam, (DC)	1	1	1	1
DM, CORRECTED (DMC)	342	345	336	341
Specific Optical Density at 1.5 minutes	1	1	2	1
Specific Optical Density at 4.0 minutes	64	64	60	63
Time to 90% DM, minutes	13.42	13.30	13.67	13.46
Time to DS = 16, minutes	2.50	2.53	2.40	2.48



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## Test Report

Customer: Shaw Contract

February 18, 2015

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**

Multilevel Pattern Loop  
Style #: 5T121 Basic Tile  
Color: 00001  
Roll #: AN1UPP-E  
Backing Type: EcoWorx  
Yarn Type: 100% Eco Solution Q  
Test #: R-150206-13388

GSA SIN Number: 31-303: Carpet Tiles  
31-601: Recycled and/or Biobased Content Flooring

**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	0.50 watts/cm <sup>2</sup>	0.56 watts/cm <sup>2</sup>	0.56 watts/cm <sup>2</sup>
Total Burn Length	40.0 cm	37.0 cm	37.0 cm
Flame Front Out	24.0 minutes	22.0 minutes	24.0 minutes

**Average Critical Radiant Flux**0.54 watts/cm<sup>2</sup>**Estimated Standard Deviation**0.03 watts/cm<sup>2</sup>

6.4% coefficient of variation

  
President L. Kent Suddeth