

# Independent Textile Testing Service, Inc.

Test No: 153206-1

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

January 20, 2015

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

**Sample Identification:** MTR/XR #: 5T128  
Style Name: Glitch Tile 9x36  
Roll #: AN1UAA7  
Backing Type: EcoWorx  
Test #: R-141218-12447

**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	Pos. 0.8	Pos. 0.8	Pos. 0.8
Test II Scuff Test	Neolite	Plate	Neg. 1.5	Neg. 2.0	Neg. 1.8
Test III Step Test	Leather	Plate	Pos. 1.0	--	--
Test IV Scuff Test	Leather	Plate	Pos. 0.4	--	--

**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

January 20, 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**

MTR/XR #: 5T128  
 Style Name: Glitch Tile 9x36  
 Roll #: AN1UAA7  
 Backing Type: EcoWorx  
 Test #: R-141218-12447

**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), %	29%	21%	29%	
at, minutes	20.00	20.00	20.00	20.00
Maximum Specific Optical Density (DM)	203	221	203	209
Clear Beam, (DC)	1	1	1	1
<b>DM, CORRECTED (DMC)</b>	202	220	202	208
Specific Optical Density at 1.5 minutes	1	1	1	1
Specific Optical Density at 4.0 minutes	36	41	39	39
Time to 90% DM, minutes	13.53	12.50	10.90	12.31
Time to DS = 16, minutes	3.13	2.90	3.03	3.02

  
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Test Report

Customer: Shaw Contract

January 20, 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**

MTR/XR #: 5T128  
Style Name: Glitch Tile 9x36  
Roll #: AN1UAA7  
Backing Type: EcoWorx  
Test #: R-141218-12447

**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	0.67 watts/cm <sup>2</sup>	0.55 watts/cm <sup>2</sup>	0.55 watts/cm <sup>2</sup>
Total Burn Length	32.0 cm	38.0 cm	38.0 cm
Flame Front Out	18.0 minutes	20.0 minutes	24.0 minutes

**Average Critical Radiant Flux**                      **0.59 watts/cm<sup>2</sup>**  
**Estimated Standard Deviation**                      **0.07 watts/cm<sup>2</sup>**  
**11.7% coefficient of variation**



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