

Independent Textile Testing Service, Inc.

PO Box 1948 - 1503 East Morris Street - Dalton, GA 30722
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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 Name: Primary Tile
 Style/Inventory #: 5T123
 Color: 00001
 Roll #: AN1UR2-P
 Backing Type: EcoWorx
 Yarn Type: 100% Eco Solution Q
 Test #: R-150206-13393

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. 0.3	Neg. 0.4	Neg. 0.4
Test II Scuff Test	Neolite	Plate	Neg. 1.0	Neg. 1.0	Neg. 1.0
Test III Step Test	Leather	Plate	Neg. 0.1	--	--
Test IV Scuff Test	Leather	Plate	Neg. 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./yd² rubberized Hair/Jute cushion


 President L. Kent Suddeth

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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 ²	G Factor	132
Thermal Exposure:	Non-flaming		
Furnace Voltage:	103		
Burner Fuel:			

Sample Description

Multilevel Pattern Loop
Style Name: Primary Tile
Style/Inventory #: 5T123
Color: 00001
Roll #: AN1UR2-P
Backing Type: EcoWorx
Yarn Type: 100% Eco Solution Q
Test #: R-150206-13393

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

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), %	13%	48%	94%	
at, minutes	20.00	20.00	20.00	20.00
Maximum Specific Optical Density (DM)	381	306	268	318
Clear Beam, (DC)	1	1	1	1
DM, CORRECTED (DMC)	380	305	267	317
Specific Optical Density at 1.5 minutes	2	2	2	2
Specific Optical Density at 4.0 minutes	48	53	54	52
Time to 90% DM, minutes	17.80	17.27	17.00	17.36
Time to DS = 16, minutes	2.70	2.59	2.53	2.61



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Test Report

Customer: Shaw Contract

February 27, 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 Name: Primary Tile
Style/Inventory #: 5T123
Color: 00001
Roll #: AN1UR2-P
Backing Type: EcoWorx
Yarn Type: 100% Eco Solution Q
Test #: R-150206-13393
B: 00760
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	0.44 watts/cm ²	0.56 watts/cm ²	0.50 watts/cm ²
Total Burn Length	44.0 cm	37.0 cm	40.0 cm
Flame Front Out	25.0 minutes	17.0 minutes	20.0 minutes

Average Critical Radiant Flux

0.50 watts/cm²

Estimated Standard Deviation

0.06 watts/cm²

12.0% coefficient of variation



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