

Independent Textile Testing Service, Inc.

PO Box 1948 • 1503 East Morris Street • Dalton, GA 30722
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Test Report

Customer: Shaw Contract

September 18, 2014

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

Sample Identificati Multi-Level Pattern Loop
Style Name: Copy Tile
Style/Inventory #: 5T103
Color: 00001
Roll #: QBZCNJ6
Backing Type: EcoWorx
Yarn Type: 100% Solution Q Extreme Solution Dyed Nylon
Test #: R-140904-08990

GSA SIN Number: 31-303: Carpet Tiles
31-304d: Special use Broadloom Carpet & Carpet Tile

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. 0.4	Neg. 0.5	Neg. 0.5
Test II Scuff Test	Neolite	Plate	Neg. 0.1	Neg. 0.2	Neg. 0.2
Test III Step Test	Leather	Plate	Neg. 0.2	--	--
Test IV Scuff Test	Leather	Plate	Pos. 0.2	--	--

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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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:	101		
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 ₂ O			
Minimum Transmittance (TM), %	41%	61%	74%	
at, minutes	12.28	18.43	20.00	16.90
Maximum Specific Optical Density (DM)	315	292	281	296
Clear Beam, (DC)	2	2	2	2
DM, CORRECTED (DMC)	313	290	279	294
Specific Optical Density at 1.5 minutes	1	1	1	1
Specific Optical Density at 4.0 minutes	65	71	73	70
Time to 90% DM, minutes	8.98	8.75	8.63	8.79
Time to DS = 16, minutes	2.93	2.78	2.70	2.80

 President L. Kent Suddeth