

Independent Textile Testing Service, Inc.

Test No: 154959-1

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

April 13, 2015

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

Sample Identification: Style Name: Alchemy
Style/Inventory #: 5T135
Backing Type: EcoWorx
Test #: R-150326-15135

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. 0.6	Neg. 0.9	Nge. 0.8
Test II Scuff Test	Neolite	Plate	Neg. 1.6	Neg. 1.7	Neg. 1.7
Test III Step Test	Leather	Plate	Neg. 0.7	--	--
Test IV Scuff Test	Leather	Plate	Neg. 0.2	--	--

Soles:

- 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



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April 13, 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/cm² G Factor 132
 Thermal Exposure: Non-flaming
 Furnace Voltage: 103
 Burner Fuel: --

Sample Description

Style Name: Alchemy
 Style/Inventory #: 5T135
 Backing Type: EcoWorx
 Test #: R-150326-15135

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), %	20%	17%	29%	
at, minutes	17.39	16.88	18.40	17.56
Maximum Specific Optical Density (DM)	224	234	203	220
Clear Beam, (DC)	1	1	1	1
DM, CORRECTED (DMC)	223	233	202	219
Specific Optical Density at 1.5 minutes	1	1	1	1
Specific Optical Density at 4.0 minutes	24	26	19	23
Time to 90% DM, minutes	12.62	12.33	13.20	12.72
Time to DS = 16, minutes	3.63	3.50	3.90	3.68



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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: Alchemy
Style/Inventory #: 5T135
Backing Type: EcoWorx
Test #: R-150326-15135

Test Assembly

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

Test Results

	<u>Specimen No. 1</u>	<u>Specimen No. 2</u>	<u>Specimen No. 3</u>
Critical Radiant Flux	0.46 watts/cm ²	0.53 watts/cm ²	0.65 watts/cm ²
Total Burn Length	42.0 cm	38.0 cm	32.0 cm
Flame Front Out	50.0 minutes	48.0 minutes	44.0 minutes

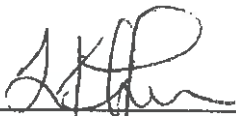
Average Critical Radiant Flux

0.55 watts/cm²

Estimated Standard Deviation

0.10 watts/cm²

17.6% coefficient of variation



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