

# Independent Textile Testing Service, Inc.

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 26, 2013

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

**Sample Identification:** Style Name: Linear Shift Hexagon  
Style/Inventory #: 5T056  
MO #: 81055  
Backing Type: EcoWorx  
Test #: 041713-6

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| <b>Test Method Conducted</b><br><b>AATCC 134-1996</b><br><b>Electrostatic Propensity of Carpets</b> |
|-----------------------------------------------------------------------------------------------------|

### 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. 0.9               | Neg. 1.0               | Neg. 1.0      |
| Test II Scuff Test | Neolite | Plate    | Neg. 1.8               | Neg. 2.0               | Neg. 1.9      |
| Test III Step Test | Leather | Plate    | Neg. 0.8               | --                     | --            |
| 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./yd<sup>2</sup> rubberized Hair/Jute cushion

  
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President L. Kent Suddeth

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Test Report

Customer: Shaw Contract

April 26, 2013

**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:  | 101                       |          |     |
| Burner Fuel:      | --                        |          |     |

**Sample Description**

Style Name: Linear Shift Hexagon  
 Style/Inventory #: 5T056  
 MO #: 81055  
 Backing Type: EcoWorx  
 Test #: 041713-6

**Test Results**

|                                         |                                                |           |           |                |
|-----------------------------------------|------------------------------------------------|-----------|-----------|----------------|
|                                         | <b>#1</b>                                      | <b>#2</b> | <b>#3</b> | <b>Average</b> |
| Chamber Temperature, °F (start)         | 95                                             | 95        | 95        |                |
| Chamber Pressure                        | Maintained positive, under 3" H <sub>2</sub> O |           |           |                |
| Minimum Transmittance (TM), %           | 27%                                            | 59%       | 46%       |                |
| at, minutes                             | 14.83                                          | 20.00     | 16.78     | 17.20          |
| Maximum Specific Optical Density (DM)   | 207                                            | 162       | 177       | 182            |
| Clear Beam, (DC)                        | 1                                              | 1         | 1         | 1              |
| <b>DM, CORRECTED (DMC)</b>              | 206                                            | 161       | 176       | 181            |
| Specific Optical Density at 1.5 minutes | 1                                              | 1         | 1         | 1              |
| Specific Optical Density at 4.0 minutes | 20                                             | 25        | 26        | 24             |
| Time to 90% DM, minutes                 | 12.20                                          | 13.65     | 11.30     | 12.38          |
| Time to DS = 16, minutes                | 3.73                                           | 3.50      | 3.35      | 3.53           |

  
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Independent  Textile  
Testing  
Service, Inc.

Test Number: 137772

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Test Report

Customer: Shaw Contract

April 26, 2013

Subject: Specimens of the submitted sample were prepared and tested in accordance with  
ASTM E 648-06 and/or Federal Test Method 372. NFPA 253

**FLOORING RADIANT PANEL TEST**

**Sample Description**

Style Name: Linear Shift Hexagon  
Style/Inventory #: 5T056  
MO #: 81055  
Backing Type: EcoWorx  
Test #: 041713-6

**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 | 0.66 watts/cm <sup>2</sup> | 0.60 watts/cm <sup>2</sup> | 0.60 watts/cm <sup>2</sup> |
| Total Burn Length     | 33.0 cm                    | 36.0 cm                    | 36.0 cm                    |
| Flame Front Out       | 16.0 minutes               | 14.0 minutes               | 16.0 minutes               |

**Average Critical Radiant Flux**                      **0.62 watts/cm<sup>2</sup>**  
**Estimated Standard Deviation**                      **0.03 watts/cm<sup>2</sup>**  
**5.6% coefficient of variation**

  
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