Customer: Shaw Contract

Test Report

February 18, 2015

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

Sample Identification:
- Multilevel Pattern Loop
- Style: 5T121 Basic Tile
- Color: 00001
- Roll #: AN1UPP-E
- Backing Type: EcoWorx
- Yarn Type: 100% Eco Solution Q
- Test #: R-150208-13388

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%

<table>
<thead>
<tr>
<th>Test Results</th>
<th>Sole</th>
<th>Underlay</th>
<th>Maximum Voltage 1 (kV)</th>
<th>Maximum Voltage 2 (kV)</th>
<th>Averages (kV)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test I Step Test</td>
<td>Neolite</td>
<td>Plate</td>
<td>Neg. 0.5</td>
<td>Neg. 0.7</td>
<td>Neg. 0.6</td>
</tr>
<tr>
<td>Test II Scuff Test</td>
<td>Neolite</td>
<td>Plate</td>
<td>Neg. 0.6</td>
<td>Neg. 0.9</td>
<td>Neg. 0.8</td>
</tr>
<tr>
<td>Test III Step Test</td>
<td>Leather</td>
<td>Plate</td>
<td>Neg. 0.3</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Test IV Scuff Test</td>
<td>Leather</td>
<td>Plate</td>
<td>Pos. 0.3</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

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

Our letters and reports are for the exclusive use of the customer to whom they are addressed, and their communication to any others or the use of the name of Independent Textile Testing Service, Inc., must receive our prior written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The reports and letters and the name of Independent Textile Testing Service, Inc., are not to be used under any circumstances in advertising to the general public.
Test Report
February 18, 2015

Customer: Shaw Contract

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
Thermal Exposure: Non-flaming
Furnace Voltage: 103
Burner Fuel: --

Sample Description
Multilevel Pattern Loop
Style: 5T121 Basic Tile
Color: 00001
Roll #: AN1UPP-E
Backign Type: EcoWorx
Yarn Type: 100% Eco Solution Q
Test #: R-150206-13388

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

Test Results

<table>
<thead>
<tr>
<th>Chamber Temperature, °F (start)</th>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>95</td>
<td>95</td>
<td>95</td>
<td>95</td>
<td></td>
</tr>
</tbody>
</table>

Chamber Pressure
Minimum Transmittance (TM), %
at, minutes
Maximum Specific Optical Density (DM)
Clear Beam, (DC)
DM, CORRECTED (DMC)
Specific Optical Density at 1.5 minutes
Specific Optical Density at 4.0 minutes
Time to 90% DM, minutes
Time to DS = 16, minutes

<table>
<thead>
<tr>
<th>Percentage</th>
<th>#1</th>
<th>#2</th>
<th>#3</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>25%</td>
<td>17.78</td>
<td>16.93</td>
<td>19.47</td>
<td>18.06</td>
</tr>
<tr>
<td>24%</td>
<td>343</td>
<td>346</td>
<td>337</td>
<td>342</td>
</tr>
<tr>
<td>28%</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>25%</td>
<td>342</td>
<td>345</td>
<td>336</td>
<td>341</td>
</tr>
<tr>
<td>24%</td>
<td>1</td>
<td>1</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>28%</td>
<td>64</td>
<td>64</td>
<td>60</td>
<td>63</td>
</tr>
<tr>
<td>25%</td>
<td>13.42</td>
<td>13.30</td>
<td>13.67</td>
<td>13.46</td>
</tr>
<tr>
<td>24%</td>
<td>2.50</td>
<td>2.53</td>
<td>2.40</td>
<td>2.48</td>
</tr>
</tbody>
</table>

President L. Kent Suddeth

Our letters and reports are for the exclusive use of the customer to whom they are addressed, and their communication to any others or the use of the name of Independent Textile Testing Service, Inc., must receive our prior written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The reports and letters and the name of Independent Textile Testing Service, Inc., are not to be used under any circumstances in advertising to the general public.
Customer: Shaw Contract

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 #: 5T121 Basic Tile
Color: 00001
Roll #: AN1UPP-E
Backing Type: EcoWorx
Yarn Type: 100% Eco Solution Q
Test #: R-150206-13388

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)

Test Results

<table>
<thead>
<tr>
<th>Test Result</th>
<th>Specimen No. 1</th>
<th>Specimen No. 2</th>
<th>Specimen No. 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Radiant Flux</td>
<td>0.50 watts/cm²</td>
<td>0.56 watts/cm²</td>
<td>0.56 watts/cm²</td>
</tr>
<tr>
<td>Total Burn Length</td>
<td>40.0 cm</td>
<td>37.0 cm</td>
<td>37.0 cm</td>
</tr>
<tr>
<td>Flame Front Out</td>
<td>24.0 minutes</td>
<td>22.0 minutes</td>
<td>24.0 minutes</td>
</tr>
</tbody>
</table>

Average Critical Radiant Flux 0.54 watts/cm²
Estimated Standard Deviation 0.03 watts/cm²
6.4% coefficient of variation

President L. Kent Suddeth

Our letters and reports are for the exclusive use of the customer to whom they are addressed, and their communication to any others or the use of the name of Independent Textile Testing Service, Inc., must receive prior written approval. Our letters and reports apply only to the sample tested and are not necessarily indicative of the qualities of apparently identical or similar products. The reports and letters and the name of Independent Textile Testing Service, Inc., are not to be used under any circumstances in advertising to the general public.