Customer: Shaw Contract

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

Sample Identification: Multilevel Loop
- Style Name: Drift
- Style/Inventory #: 5T142
- Color: 00001
- Backing Type: EcoWorx
- Yarn Type: Example: 100% Eco Solution Q Nylon
- Test #: R-150508-16570

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. 0.6</td>
<td>Neg. 0.8</td>
<td>Neg. 0.7</td>
</tr>
<tr>
<td>Test II Scuff Test</td>
<td>Neolite</td>
<td>Plate</td>
<td>Neg. 0.5</td>
<td>Neg. 0.6</td>
<td>Neg. 0.6</td>
</tr>
<tr>
<td>Test III Step Test</td>
<td>Leather</td>
<td>Plate</td>
<td>Pos. 0.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Test IV Scuff Test</td>
<td>Leather</td>
<td>Plate</td>
<td>Pos. 0.1</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

Underlay:
- a) Plate: Earth grounded metal plate
- b) H/J: Standard 40 oz./yd2 rubberized Hair/Jute cushion

President L. Kent Suddeth
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: 104  
Burner Fuel: —

Sample Description

Multilevel Loop  
Style Name: Drift  
Style/Inventory #: 5T142  
Color: 00001  
Backing Type: EcoWorx  
Yarn Type: Example: 100% Eco Solution Q Nylon  
Test #: R-150508-16570

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>

Maintained positive, under 3" H₂O

<table>
<thead>
<tr>
<th>11%</th>
<th>10%</th>
<th>13%</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>16.80</td>
<td>20.00</td>
<td>20.00</td>
<td>18.93</td>
</tr>
<tr>
<td>259</td>
<td>264</td>
<td>249</td>
<td>257</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>258</td>
<td>263</td>
<td>248</td>
<td>256</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>24</td>
<td>36</td>
<td>34</td>
<td>31</td>
</tr>
<tr>
<td>11.17</td>
<td>12.39</td>
<td>13.00</td>
<td>12.19</td>
</tr>
<tr>
<td>3.60</td>
<td>3.40</td>
<td>3.30</td>
<td>3.43</td>
</tr>
</tbody>
</table>

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Test Number: 155895

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 Loop
Style Name: Drift
Style/Inventory #: 5T142
Color: 00001
Backing Type: EcoWorx
Yarn Type: Example: 100% Eco Solution Q Yarn
Test #: R-150508-16570

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)

<table>
<thead>
<tr>
<th>Test Results</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>0.76 watts/cm²</td>
<td>0.66 watts/cm²</td>
<td>0.56 watts/cm²</td>
</tr>
<tr>
<td>Total Burn Length</td>
<td>27.0 cm</td>
<td>32.0 cm</td>
<td>37.0 cm</td>
</tr>
<tr>
<td>Flame Front Out</td>
<td>15.0 minutes</td>
<td>19.0 minutes</td>
<td>25.0 minutes</td>
</tr>
</tbody>
</table>

Average Critical Radiant Flux

0.66 watts/cm²

Estimated Standard Deviation

0.10 watts/cm²

15.2% coefficient of variation

President L. Kent Suddeth

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