Description:
Statfree S Plus™ material is specifically designed to reduce fatigue in areas where standing is required for long periods of time. This material has been produced since 1984 and has been in the field since that time with no reported loss of electrical properties due to wear or aging. This floor mat combines excellent ESD protection and durability. Statfree S Plus™ meets the requirements of DOD-HDBK-263, DTD-STD-2000, ANSI ESD S7.1 and EN 100 015 Issue 1.

**Electrical Properties:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTG Resistance</td>
<td>ANSI ESD S7.1</td>
<td>10^8 ohms</td>
</tr>
<tr>
<td>RTT Resistance</td>
<td>ANSI ESD S7.1</td>
<td>10^8 ohms</td>
</tr>
</tbody>
</table>

*Electrical Properties are electrical measurements obtained by testing to industrial standards by an independent testing laboratory @ 100 Volts and 50% relative humidity unless otherwise specified. Complete text of the test report is available upon request.

**Specifications:**

- **Construction:** Foamed Homogeneous Vinyl/Nitrile Rubber. Electrical properties consistent throughout.
  - When used as a standing surface, it is designed specifically to reduce fatigue
- **Thickness:** 0.375 inches (9.5mm)
- **Texture:** Non-directional, embossed, soil and abrasion resistant
- **Color:** Grey
- **Weight:** 0.65 lbs/ft^2 (0.317g/cm^2)
- **Hardness:** ASTM-D-2240-75 85 Shore “00”
- **Wear Resistance:** Negligible-Tabor Abrader, 500 Cycles CS-17 wheels, 10,000 grams load
- **Heat Resistance:** -20°F to 140°F continuous

**Grounding:** This material must be properly grounded for optimum electrical performance. Ask for Tech Brief PS-2013 for mat grounding instructions.

**Cleaning:** For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. ESD Systems.com suggests using our Reztore™ Surface & Mat Cleaner Item #16030 or Static Wipes Item #16020. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

**RoHS Compliance Statement**
None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (BBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at ESDSystems.com.

**Limited Lifetime Warranty:**
ESD Systems warrants for one year that Statfree® matting products will be free of defects in materials and workmanship and will guarantee dissipative/conductive mat properties for the life of the mat. Damage to matting caused by misuse of any kind, including using inappropriate cleaners is not covered by ESD Systems Limited Warranty.

**Statfree S Plus™ Floor Mat, Vinyl/Nitrile Rubber, Homogeneous, Antifatigue, 0.375” (9.5mm)**
MATS

Part Number Reference for Type S Plus™ Material, Vinyl, Homogeneous, Antifatigue, 0.375” (9.5mm)

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>11106</td>
<td>36” x 60” (0.9m x 1.5m)</td>
</tr>
</tbody>
</table>

Tolerances:
Width ± .250”
Length ± .250” every 1 linear foot of running material.

For best results use Item 12000 10mm Screw-on Snap Kit

Other information available:

**Tech Brief**
- Installation and maintenance of ESD protective surfaces.............. PS-2013
- Testing mat surfaces .............................................. PS-2042
- Cleaning mat surfaces .............................................. PS-2041
- Workstation grounding .............................................. PS-2022
- Wrist strap grounding .............................................. PS-2017
- Comparison of mat types available from ESD Systems.com ........ PS-2016

**NOTE:**
Grounding hardware is not included with mats.

ROLL STOCK:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>11107</td>
<td>36” x 60’ (0.9m x 18.3m)</td>
</tr>
<tr>
<td>11108</td>
<td>48” x 60’ (1.2m x 18.3m)</td>
</tr>
</tbody>
</table>

0.375” (9.5 mm) Thick Rolls

Hardware is not included with rolls.

**Grounding Intervals for ESD Mats**
Sufficient ground cords should be used to reliably meet ANSI/ESD S20.20 Table 1 less than 1 x 10E9 ohms for worksurfaces. An industry recommendation has been that continuous runs of ESD matting should be grounded at ten-foot intervals to allow proper charge decay rates with each individual ESD mat should be grounded with ground snap located no further than five feet from either end.