



### Description:

SPI DF Series Dissipative Ribbed Vinyl is designed to protect floor surfaces from heavy and abusive traffic, accommodate spills, and provide added safety for workers. This material is easy to clean and is impervious to most chemicals used in the electronics industry. This wide ribbed material controls static and is ideal to place underneath work stations, in hallways, on steps, on ramps, in component storage areas, and in wet areas.

### Specifications:

Surface Resistance: 10E8 - 10E9 Ohms, per ANSI/ESD S4.1  
 Resistance To Ground: 10E8 - 10E9 Ohms, per NFPA 99  
 In accordance with ANSI/ESD S4.1  
 Static Decay: 5kV to 0 Volts > 0.01 seconds  
 In accordance with FTMS 101C Method 4046  
 Thickness: 0.125" tolerance  $\pm$  .010"  
 Colors: Gray

#### Disclaimer:

All statements, technical data, and recommendations contained herein are based upon tests we believe to be reliable. However, the accuracy or completeness thereof is not guaranteed. The proper and correct applications of products and data is the responsibility of the user. Statements or recommendations not contained herein shall have no force or effect unless embodied in a written agreement signed by authorized offers of Desco Industries, Inc.

### Features:

- Economical choice when meeting ANSI/ESD S20.20 and ESD S97.1 is not required
- Corrugated slip resistant surface provides excellent traction in wet environments
- Easy to cut and configure to your requirements
- Dimensionally stable; minimal shrinkage and curling
- Not suitable for use with chairs, carts, or wheels.
- Ground cord not included
- Made in America

*See reverse side for available roll sizes.*

### DF Series Dissipative Ribbed Vinyl

***ESD SYSTEMS.com***

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[ESDSystems.com](http://ESDSystems.com)

**DRAWING NUMBER**  
 DF Series

**DATE:**  
 December  
 2008

## Item Number Reference For DF Series Dissipative Vinyl

# ROLL STOCK



### Roll Stock Item Numbers

SIZE	ITEM #
36" x 60'	96605
48" x 60'	96606

**Hardware is not included with rolls.**

Matting materials have a tendency to shrink slightly when first unrolled. In applications where length is critical, allow the material to relax for at least 4 hours before cutting to size. Always trim with a sharp knife or razor blade.

### Grounding Intervals for ESD Mats

Sufficient ground cords should be used to reliably meet ANSI/ESD S20.20 Table 1 less than  $1 \times 10^9$  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.



### Technical Information:

The minimum recommended technical requirement range of ANSI/ESD S20.20 Table 1 for ESD Floor is  $< 1 \times 10^9$  ohms.

“ESD protective flooring, used with approved footwear, may be used as an alternative to the wrist strap system for standing operations.” (ANSI/ESD S20.20 section 6.2.2.2 Personnel Grounding Guidance)

Conductive mats are suitable as the flooring component in Flooring - Footwear System as primary grounding method ( $< 3.5 \times 10^7$  ohms per ESD STM 97.1).

The ESD control property of being conductive or dissipative will only remove electrostatic charges to ground, if the mat is properly grounded. Testing to verify Resistance to Ground (RTG) should be part of your Compliance Verification Plan. Per ANSI/ESD S7.1 section 5.3.1.3 “Perform a minimum of five tests per contiguous floor surface material or a minimum of five tests per 5,000 square feet (464.5 m<sup>2</sup>) of floor material, whichever is greater. A minimum of three of the five tests should be conducted in those areas that are subject to wear or that have chemical or water spillage or that are visibly dirty.” Dirt is typically insulative and a dissipative ESD protected floor cannot fulfill its function if covered by insulative material.