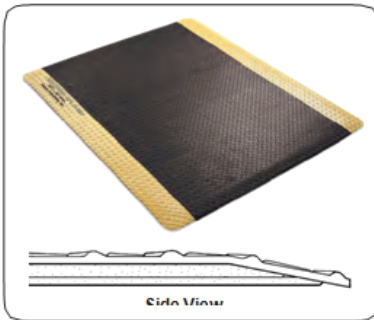


# Conductive Anti-Fatigue Flooring



## Description:

Statfree® DPL Plus™ floor mat is made with conductive vinyl top layer laminated to an anti-fatigue foam rubber bottom layer. The product is designed to provide a flooring surface that does not generate a static charge and will act as part of the path-to-ground personnel wearing ESD footwear. The resistance range ( $1 \times 10^3$  to  $< 1 \times 10^6$  ohms Rtt) of the top black layer will remain low enough to act as a path-to-ground with normal dirt and grim build-up on a floor and meet the required limit of ANSI/ESD S20.20 footwear/flooring system.  $< 1 \times 10^9$  ohms tested per ANSI/ESD STM97.1, ANSI/ESD STM7.1, or ESD TR53. While the foam rubber bottom layer and the top yellow safety border are insulative, the black vinyl top does make sufficient contact to be grounded when placed upon ESD flooring. The insulative bottom foam rubber layer is designed to reduce standing worker's fatigue and improve productivity. The diamond plate pattern increases traction and tapered edges with radius corners help to prevent curling and reduce tripping in work areas.



## Electrical Properties:

Property	Test Method	Value
Rtt Resistance:	ANSI/ESD STM7.1	$1 \times 10^3$ to $< 1 \times 10^6$ ohms
Rtg Resistance:	ANSI/ESD STM7.1	$1 \times 10^3$ to $< 1 \times 10^6$ ohms

## Specifications:

Construction:	Conductive vinyl top layer laminated to an insulative foam rubber bottom layer. Note: top yellow border is insulative.
Thickness:*	0.450" (11.4mm)
Radius:	1"
Surface:	Embossed Diamond Plate Design
Hardness:	90 Shore A
Heat Resistance:	0°F to 150°F continuous
Weight:	1.45 lbs. per square foot
Density:	Average: 33 lbs. per cubic foot

\*Color, texture and thickness may vary between lots and mills

**Grounding:** This material must be properly grounded for optimum electrical performance; ground point needs to be attached to top black area. See for Technical Bulletin TB-2000 for mat grounding instructions. Part numbers 40979, 40980, & 40981 include 14234 grounding kit

**Cleaning:** For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. We suggest using our Statguard™ Floor Mat Cleaner. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

## 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.

## RoHS 2 and REACH Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2014-06-16 are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco Limited Warranty at Desco.com.

## Limited Lifetime Warranty

Desco 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 Desco Limited Warranty.

## Tolerances:

Width  $\pm 0.250$ "  
Length  $\pm 0.250$ " every linear foot of material.

## Floor Mat Kit Item Numbers

Item	Size
40979	24" x 36"
40980	36" x 48"
40981	36" x 60"

FLOOR MAT KITS INCLUDE  
1 Floor Mat, size as specified  
1 Grounding Kit 14234

## Roll Material Item Numbers

Item	Size
40982	36" x 60'

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.

**NOTE:** If a ground cord is used it is recommended to be attached to the black portion of the mat and not the yellow border.

Specifications and procedures subject to change without notice.

## STATFREE DPL PLUS™ FLOOR MAT, VINYL, CONDUCTIVE, ANTI-FATIGUE



DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: Desco.com  
PHONE (909) 627-8178  
DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407  
PHONE (781) 821-8370

DRAWING NUMBER  
PM-125

DATE:  
December  
2014