



**Black**

**Description:**

Statfree F Plus™ Conductive Corrugated Vinyl is specifically designed for use as floor mats or floor runners. The corrugated surface provides cushioning and excellent traction. It can be cut to configure custom sizes. Statfree F Plus™ meets IEC 61340-5-1:2007 and ANSI/ESD S20.20 floor requirements and is also suitable for ESD floor component in Person / footwear / flooring system as primary grounding method <math>3.5 \times 10^7</math> ohms per IEC 61340-4-1. It also meets the requirements of DOD-HDBK-263, DTD-STD-1686A, DOD-STD-2000, ESD S4.1 and EN 100 015 Issue 1.

**Electrical Properties:**

Property	Test Method	Value
Rg Resistance:	IEC 61340-4-1	10E3 - 10E5 Ohms
Rgp Resistance:	IEC 61340-4-1	10E3 - 10E5 Ohms

Electrical Properties 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.

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 officers of Desco Industries, Inc.

**Specifications:**

Construction: Homogeneous conductive solid vinyl  
 Thickness: .125" (3.2mm) +/- .005" (0.127mm)  
 Color:\* Black  
 Texture:\* Corrugated face with smooth back.  
 Weight: 0.98 lbs/ft<sup>2</sup> nominal  
 Hardness: 90 +/- 5 Shore A (ASTM D-2240)  
 Tensile Strength: Minimum 1200 PSI, ASTM D-412  
 Elongation: 75% minimum  
 Temperature Range: 0 - 66°C  
 Abrasion Resistance: 28.7 grams loss ASTM-D3389 Method B, 1000 grams 4000 cycles

\*Color and texture may vary between lots and mills

Grounding: This material must be properly grounded for optimum electrical performance. Ask for Technical Bulletin PPE-5025.E for mat grounding instructions.

Cleaning: For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. We suggest using our Reztore™ Surface & Mat Cleaner Item #71021 or Static Wipes Item #71050. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

**Roll Stock**

ITEM NO.	COLOR	SIZE
80146	Black V-Groove	1.2M x 12.2M Roll

**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  $1 \times 10^9$  ohms for ESD floors. 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.

**Tolerances:**

Width ± .250"  
 Length ± .250" every 1 linear foot of running material.

Look for the Statfree® brand on Desco ESD matting. Statfree F Plus™ Floor Mats are permanently marked for your protection and auditing purposes.



**RoHS Compliance Statement**

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at [Charleswater.co.uk](http://Charleswater.co.uk).

**Limited Lifetime Warranty**

Charleswater 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 Charleswater Limited Warranty.



Made in America

STATFREE F PLUS™ FLOOR MAT, VINYL, HOMOGENEOUS, CONDUCTIVE, 3.2MM



CHARLESWATER LTD.  
 UNIT 17, MILLBROOK BUSINESS PARK, SYBRON WAY  
 CROWBOROUGH, EAST SUSSEX TN6 3JZ UNITED KINGDOM  
 PHONE: 00 44 (0) 1892-665313, FAX: 00 44 (0) 1892-668838  
 INTERNET: [www.charleswater.co.uk](http://www.charleswater.co.uk)

Drawing Number  
 PME-F Plus

DATE:  
 June 2008