



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 <3.5 x 10E7 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.

Grounding Intervals for ESD Mats

Sufficient ground cords should be used to reliably meet EN 61340-5-1 Table 3 less than 1 x 10E9 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.

Specifications:

Construction: Homogeneous conductive solid vinyl
 Thickness: .125" (3.2mm) +/- .005" (0.127mm)
 Colour:* Black
 Texture:* Corrugated face with smooth back.
 Weight: 0.98 lbs/ft² 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

*Colour and texture may vary between lots and mills

Grounding: This material must be properly grounded for optimum electrical performance. Ask for Technical Bulletin [TB-7505](#) 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 #[229023](#) or Static Wipes Item #[229025](#). Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

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 meet the limits of EN61340-5-1 tested per IEC 61340-4-1

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.

Item	Description	Size
211030	Black V-Groove	1.2 m x 12.2 m Roll

Hardware not included with roll.

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 Vermason's letter on-line at [Vermason.co.uk](#).

Limited Lifetime Warranty

Vermason 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 Vermason Limited Warranty.

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.



Specifications and procedures subject to change without notice

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

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 211030

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