

**Dark Blue****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.

**Roll Stock Item Numbers**

SIZE	DARK BLUE
0.060" x 24" x 50'	66160
0.060" x 30" x 50'	66161
0.060" x 36" x 50'	66162
0.060" x 48" x 50'	66163

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 3 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.

**Description:**

Statfree B2™ meets the worksurface required limits of ANSI/ESD S20.20 of < 1 x 10E9 ohms. When properly grounded, the purpose of the Statfree B2™ worksurface is two-fold. (1) To provide a surface where electrostatic charges are limited, and (2) To provide a surface that will remove charges from all conductors (including ESD susceptible devices and assemblies) that are placed on the surface. Where potential CDM (Charged Device Model) damage is a concern, the worksurface should have a lower limit of 1 x 10E6 ohms removing charges at a slower rate. Surfaces that are <10^6 ohms can discharge ESD susceptible items too quickly. A variety of standard size mats are provided for ESD workstations, shelves, carts or cafeteria-style trays in an ESD Protected Area.

**Statfree B2™ has excellent color stability, durability, and is non-humidity dependent.**

**Statfree B2™ is manufactured without any ozone depleting substances, and in accordance with the Montreal Protocol.**

**Statfree B2™ is suitable for use with continuous monitors.**

**Electrical Properties:**

Property	Test Method	Value
RTG Resistance:	ANSI/ESD S4.1	10E6-10E8 Ohms
RTT Resistance:	ANSI/ESD S4.1	10E6-10E8 Ohms
RTT Resistance: (Black side)	ANSI/ESD S4.1	<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.

**Mat Top Kit Item Numbers**

SIZE	DARK BLUE
24" x 36"	66164
24" x 48"	66166
30" x 60"	66167
30" x 72"	66168
36" x 72"	66169
16" x 24"	66165*

**MAT TOP KIT INCLUDES**

1 Benchmat, Statfree B2™, size as specified  
1 14213, common point ground kit

**Tolerances:**

Width  $\pm$ .250"  
Length  $\pm$ .250" every 1 linear foot of running material.

\*Item 66165 has 1" radius corners and does not include grounding hardware.

**STATFREE B2™ DUAL LAYER VINYL ESD MATTING, .060" thickness****Specifications:**

Construction:	Engineered thermoplastic thermally fused
Thickness:	0.060" (1.5mm), nominal $\pm$ 10%
Texture:	One side smooth, one side embossed
Colors:	Dark Blue
Hardness:	80 shore A (ASTM D-2240), +/-5
Wear Resistance:	Negligible weight loss (750 cycles, Taber CS-17 Method)

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

**Grounding:** This material must be properly grounded for optimum electrical performance. See for Technical Bulletin TB-2000 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 #10435 or Static-Wipes Item #10600. Do not use cleaners that are not specifically designed for ESD control use. As they can contain chemicals and/or leave residue that will alter the ESD and physical properties.

**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 [Desco.com](http://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.

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.



Made in America

Look for the Statfree® brand on Desco ESD matting. All Desco mat top kits are permanently marked for your protection and auditing purposes.

# DESCO