



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'	11000
0.060" x 30" x 50'	11001
0.060" x 36" x 50'	11002
0.060" x 24" x 50'	11003

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.

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

Description:

Statfree B2™ meets the worksurface required limits of ANSI/ESD S20.20 of < 1 x 10E9 ohms. A variety of standard size mats are provided for ESD workstations, shelves, carts or cafeteria-style trays in an ESD Protected Area.

Statfree B2 is designed for the dissipative dark blue side to be used as the top working surface meeting the upper limit requirement of ANSI/ESD S20.20 and lower limit recommendation of ANSI/ESD S4.1.

The black side of Statfree B2 is more conductive and provides a reliable path to ground which makes it compatible with continuous or constant monitors.

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.

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:	ANSI/ESD S4.1	<10E6 ohms (Black side)

Electrical properties are not humidity dependent meeting ANSI/ESD S20.20 required limit < 1 x 10E9 ohms tested at 12% and 50% relative humidity per ANSI/ESD S4.1.

Mat Top Kit Item Numbers

Size	Dark Blue
24" x 36"	11004
24" x 48"	11005
30" x 60"	11006
30" x 72"	11007
36" x 72"	11008
16" x 24"	11009**

MAT TOP KIT INCLUDES

- 1 Benchmat, Statfree B2™, size as specified
- 1 [13160](#) - common point ground kit
- 1 [12000](#) - universal snap kit

**Item [11009](#) has 1" radius corners and does not include grounding hardware.

Specifications:

- Construction: Engineered thermoplastic thermally fused
- Thickness: 0.060" (1.5mm), nominal ±10%
- Texture:* Black side smooth, Dark Blue side embossed
- Colors:* Dark Blue (top side), Black (bottom side)
- 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 [PS-2013](#) for mat grounding instructions.

Cleaning: Use only ESD mat cleaner such as Reztore™ Surface & Mat Cleaner to clean and extend mat useful life. Do not use cleaners containing silicone as silicone will create an insulative film on the surface. Do not use solvent based cleaners as solvents will dry out matting and may cause curling.

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 [ESDSystems.com](#).

Limited Lifetime Warranty:

ESD Systems 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 ESD Systems 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.

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



Made in America



Specifications and procedures subject to change without notice

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

[ESD SYSTEMS.COM](#)
432 NORTHBORO ROAD CENTRAL
MARLBORO, MA 01752 USA
TEL. (508) 485-7390 FAX (508) 480-0257

MATERIAL STATFREE B2™
DRAWING: TDtypeb2

DATE:
June
2010

