

Blue

### Electrical Properties:

Property	Test Method	Value
RTG Resistance:	ESD S4.1	<10E9 Ohms
RTT Resistance:	ESD S4.1	<10E9 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.

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:

Construction:	Homogeneous extruded thermoplastic vinyl
Thickness:	0.100" (2.5mm) and 0.060" (1.5mm), nominal ±10%
Texture:*	One side smooth, one side embossed
Colors:*	Blue
Hardness:	80 shore A (ASTM D-2240)
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. Ask for Technical Brief PS-2013 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 #16030 or Static-Wipes Item #16020. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

#### 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](http://ESDSystems.com).

See reverse side for available mat and roll sizes

#### Description:

Statfree B™ meets the minimum recommended worksurface requirement of ANSI/ESD S20.20 of <10E9 ohms. This extruded homogeneous vinyl dissipative material can be used with either side up. One side has a smooth surface which is easy-to-clean and maintain, and the other has a non-glare finish which makes it easier to identify small parts. Statfree B™ is easy to cut to configure to fit your requirements. The material is dimensionally stable with minimum shrinkage or curling.

Statfree B™ has excellent color stability, minimizing discoloration. The 0.100" thick is a better value, providing a longer life and is ideal for general purpose worksurface matting. The thinner 0.060" material is the economical choice, and is ideal for use on cafeteria-style trays.

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

#### Limited Lifetime Warranty:

ESD Systems.com 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.com Limited Warranty.

Note: Since it does not have a conductive layer, Statfree B™ is not suitable for use with continuous monitors.



Made in America

**STATFREE B™ MATERIAL, VINYL, DISSIPATIVE, HOMOGENEOUS, .100" & .060"**



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



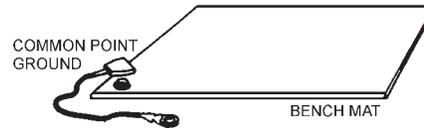
Visit our online library of Tech Drawings: [ESDSystems.com](http://ESDSystems.com)

Drawing: TD-B  
Material Statfree B™

DATE  
10/06

## Item Number Reference For Statfree B™ Vinyl, Dissipative, Homogeneous

### KITS



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

#### Mat Top Kit Item Numbers

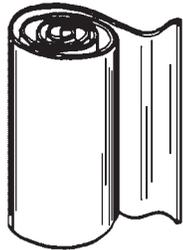
SIZE	BLUE
24" x 36"	10800
24" x 48"	10801

#### MAT TOP KIT INCLUDES

- 1 Benchmat, Statfree B™, size as specified
- 1 13165, common point ground cord
- 1 12000, universal snap kit

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

### ROLL STOCK



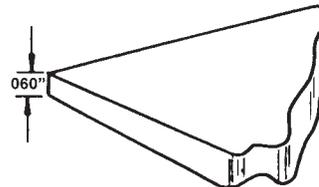
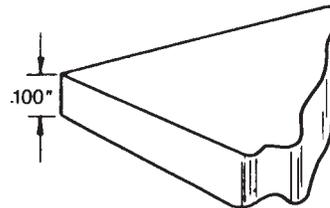
Statfree B™  
 Is Also  
 Available In  
 Full  
 Rolls

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 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.

#### 0.100" (2.5mm) & 0.060" (1.5mm) THICK ROLLS



#### Roll Stock Item Numbers

SIZE	BLUE
0.100" x 24" x 40'	10970
0.100" x 30" x 40'	10972
0.100" x 36" x 40'	10862
0.100" x 48" x 40'	10863
0.100" x 36" x 100'	10974
0.100" x 30" x 100'	10973
0.060" x 24" x 100'	10864
0.060" x 30" x 100'	10865
0.060" x 36" x 100'	10866
0.060" x 48" x 100'	10867