



Blue, Green

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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.

RoHS 2 and REACH Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco Limited Warranty at 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.

Description:

Desco Statfree® B2 mat is a 0.060" thick, heat fused 2-layer, dissipative vinyl material. It is designed to provide a path to ground and eliminate static charge generation when used as a worksurface table mat, shelf liner, and cart liner. The surface resistance (1×10^6 to $< 1 \times 10^9$ ohms Rtt) of the color top layer meets ANSI/ESD S20.20 worksurface required limit and recommendation of ANSI/ESD S4.1 for contact with ESD susceptible items. The more conductive ($< 1 \times 10^6$ Rtt) bottom black layer reduces the resistance to ground (Rtg) from the top of the surface to the groundable point and allows the mats to be used with continuous monitors.

Electrical Properties:

Property	Test Method	Value
Rtg Resistance:	ANSI/ESD S4.1	1×10^6 to $< 1 \times 10^9$ ohms
Rtt Resistance (Blue/Green top layer):	ANSI/ESD S4.1	1×10^6 to $< 1 \times 10^9$ ohms
Rtt Resistance (Black bottom layer):	ANSI/ESD S4.1	$< 1 \times 10^6$ ohms

Specifications:

Construction:	Engineered thermoplastic thermally fused
Thickness:	0.060" (1.5mm), nominal $\pm 10\%$
Texture:*	Black side smooth, Dark Blue & Green side embossed
Colors:*	Dark Blue & Green (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 Tech Bulletin TB-2000 for mat grounding instructions.

Cleaning: For optimum performance, periodic cleaning is required following manufacturer's recommendations. Reztore™ Surface & Mat Cleaner or equivalent is recommended to clean and maintain your mat. See Tech Bulletin TB-7000 for Reztore™ Surface & Mat Cleaner Application Instructions. See TB-2000 for guidelines regarding the maintenance and cleaning of ESD Mats.

Roll Stock Item Numbers

Size	Dark Blue	Green
18" x 50'	66159	66170
24" x 50'	66160	66171
30" x 50'	66161	66172
36" x 50'	66162	
48" x 50'	66163	

Hardware is not included with rolls.

Tray Liner Item Numbers

Size	Dark Blue	Green
16" x 24"	66165 **	66173 **

**Tray liners have 3/4" radius corners and do not include grounding hardware.

Mat Top Kit Item Numbers

Size	Dark Blue	Green
24" x 36"	66164	66174
24" x 48"	66166	66175
30" x 60"	66167	66176
30" x 72"	66168	66177
36" x 72"	66169	

Mat Top Kit includes
1 Benchmat, Statfree B2™, size as specified
1 [14213](#), common point ground kit

**Tolerances:

Width ± 0.0250 "
Length ± 0.0250 " every 1 linear foot of running material.
Thickness $\pm 10\%$

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. Using care, always trim with a sharp knife or razor blade.

Specifications and procedures subject to change without notice.

DESCO

STATFREE® B2 DUAL LAYER VINYL ESD MATTING, 0.060" thickness

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STATFREE® B2
DRAWING PM-127

DATE:
March
2021

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Desco:

[66160](#) [66161](#) [66170](#) [66171](#) [66172](#) [66173](#) [66165](#) [66174](#) [66175](#) [66176](#) [66177](#) [66162](#) [66163](#)