



**Blue, Grey, Black**

## Specifications

### Standard Document

ANSI/ESD S20.20

### Electrical Properties

Charge Decay:  
Rtt Resistance:  
Rtg Resistance:

### Typical Values

<0.01sec.  
 $1 \times 10^6$  to  $< 1 \times 10^9$  ohms  
 $1 \times 10^6$  to  $< 1 \times 10^9$  ohms

### Physical Properties

Construction: Heat fused vinyl composite  
Thickness: 0.125" (3.2mm)  
Color:\* Blue, Grey, Black  
Texture:\* Light Embossing  
Hardness: 45 Shore "A"  
Tensile Strength: >300 psi  
Tear Strength: >80 lbs/inch  
Elongation: >80%  
Abrasion Resistance: >750 cycles

### Meets Requirements of:

Worksurface

### Test Procedures/Method

FTMS 101C, M 4046  
ANSI/ESD S4.1 and ESD TR53  
ANSI/ESD S4.1 and ESD TR53

### Other Properties

Heat Resistance: Does not melt or burn when coming into contact with hot solder and soldering irons.  
Chemical Resistance: Resistance to degradation by inorganic acids, organic acids, reducing agents, aliphatic hydrocarbons, mineral oil, aldehydes, and amines

### Tolerances:

Width  $\pm 0.250$ "  
Length  $\pm 0.250$ " 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. Always trim with a sharp knife or razor blade.

\*Color and texture may vary between lots and mills.

For product listings, [Click Here](#).

### Grounding & Cleaning

If the material is used on top of an already properly grounded surface, [grounding hardware](#) may not be necessary. Where no properly grounded surface is available, [grounding hardware](#) is required to provide a path-to-ground. Rtg compliance verification measurements must be made as outlined in ESD TR53 with a [surface resistance meter](#).

See Tech Bulletin [TB-7000](#) for Reztore® Surface & Mat Cleaner Application Instructions.

### 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](#).

### RoHS 3, REACH, and Conflict Minerals Statement

See the Desco Industries RoHS 3, REACH, and Conflict Minerals Statement:

<http://www.descoindustries.com/ROHS.aspx>

See the Desco Limited Warranty:

<http://desco.descoindustries.com/Limited-Warranty.aspx>

See the Desco Disclaimer:

<http://desco.descoindustries.com/Disclaimer.aspx>



Made in the  
United States of America

Specifications and procedures subject to change without notice.

## STATFREE® Z2™, VINYL, DISSIPATIVE, 3-LAYER, 0.125" (3.2MM)

# DESCO

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STATFREE Z2™  
DRAWING PM-112

DATE:  
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