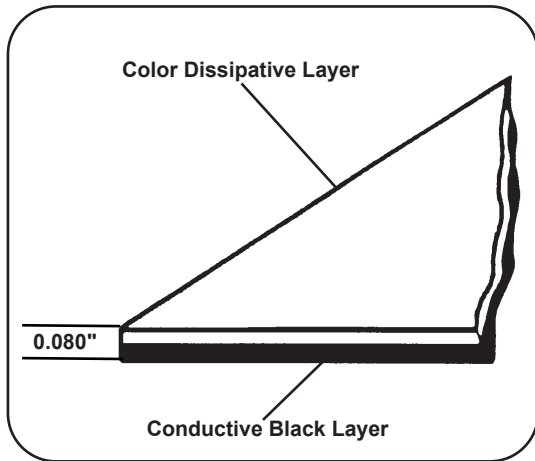




# STATFREE® HJ MATERIAL DISSIPATIVE RUBBER



**2-Layer**

## Specifications

### Standard Document

ANSI/ESD S20.20

### Meets Requirements of:

Worksurface

### Electrical Properties

#### Dissipative Surface Layer

Rtt Resistance:  $1 \times 10^6$  to  $< 1 \times 10^9$  ohms  
Rtg Resistance:  $1 \times 10^6$  to  $< 1 \times 10^9$  ohms

### Typical Values

### Test Procedures/Method

ANSI/ESD STM7.1  
ANSI/ESD STM7.1

#### Ground Plane Layer

Rtt Resistance:  $< 1 \times 10^6$  ohms

ANSI/ESD STM7.1

### Physical Properties

Construction: Dual-layer rubber material  
Thickness: 0.080" (2.0mm)  
Color:\* Top – Blue/Dark Green, Bottom - Black  
Embossing:\* Slight Texture  
Weight: 0.43 lbs./sq. ft. (0.2g/cm<sup>2</sup>)  
Hardness: 80 to 90 per JIS K 6253

### 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.  
Oil Absorption Resistance: Resists oil absorption to maintain physical and electrical properties.

### Tolerances:

Width  $\pm 0.4$ "  
Length  $\pm 0.250$ " every 1 linear foot of running material.  
Thickness  $\pm 10\%$

Due to the increased hardness of the Statfree HJ® material, trimming or cutting the material may be difficult. Please [contact us](#) for specific sizing requirements.

\*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 2, REACH, and Conflict Minerals Statement

None of the RoHS 2 restricted materials or REACH (Registration, Evaluation and Authorization of Chemicals) substances of very high concern as of 2020/06/25, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2015/863/EU and Regulation (EC) No. 1907/2006/CE.

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

Made in Japan

Specifications and procedures subject to change without notice.

## STATFREE® HJ DISSIPATIVE, RUBBER, 2-LAYER, 0.080" (2.0mm)



DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](#)  
PHONE (909) 627-8178

DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407  
PHONE (781) 821-8370

MATERIAL  
STATFREE HJ  
Drawing PM-133

DATE:  
March  
2021