

**Black**

### Electrical Properties:

Property	Test Method	Value
RTG Resistance:	ESD-S7.1	10 <sup>4</sup> - 10 <sup>5</sup> Ohms
RTT Resistance:	ESD-S7.1	10 <sup>4</sup> - 10 <sup>5</sup> Ohms

Electrical Properties by testing to industrial standards by an independent testing laboratory @ 10 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.

*See reverse side for available mat and roll sizes.*

### Specifications:

Construction:	Homogeneous, SBR, volume conductive rubber
Thickness:	0.060" (1.52 mm)
Color:*	Black
Texture:*	Low glare, light embossed texture, smooth
Weight:	0.58 lbs/ft <sup>2</sup> (0.282 g/cm <sup>2</sup> ) nominal
Hardness:	70 Shore A (ASTM D-2240)
Heat Resistance:	0°F to 650°F (-17.8°C to 343.3°C)
Chemical Resistance:	Resistance to degradation by inorganic acids, organic acids, reducing agents, aliphatic hydrocarbons, mineral oil, aldehydes, and amines

\*Color and texture may vary between lots and mills

**Grounding:** This material must be properly grounded for optimum electrical performance. Ask for Tech 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.

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.

### Description:

This material is designed primarily for floor mat and runner use, but may also be used in tabletop applications where a conductive surface is required. Rubber material is heat, chemical, and abrasion resistant. Solder and flux will not damage the surface. Material is durable and reversible to provide long life. It can be cut to configure custom sizes.

#### 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).

#### Tolerances:

Width +/- .250"  
Length +/- .250" every 1 linear foot of running material.

NOTE: For applications on smooth floors, ask for Item #10998 Two Sided Adhesive Tape to safely secure product on table tops and floors.

#### 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.



Made in America

## Statfree G2™ Mat, Conductive, Rubber, 0.060" (1.52mm)



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



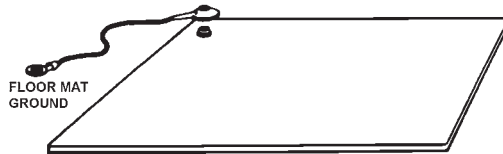
Visit our online  
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**Drawing: TD-G2**  
**Material Statfree G2™**

**DATE**  
**7/06**

Item Number Reference For Statfree Statfree G2™ Conductive Smooth Rubber

# KITS



### 11715 FLOOR MAT KIT INCLUDES

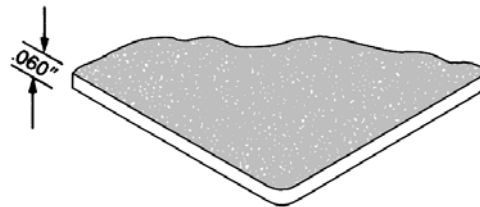
- 1 48" x 72" mat, .060" thick
- 1 13255, floor mat ground kit
- 1 12000 universal snap kit

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

# ROLL STOCK



Hardware is not included with rolls.



0.060" (1.52 mm) Thick Rolls

11720 48 in x 40 ft roll  
(1.2m x 12.2m)

**Note: 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.



Per section 3 Definitions of Floor standard ESD STM7.1-2001 "Conductive Flooring Material: A floor material that has a resistance to ground of less than  $10^6$  ohms."