



0.50" (12.7mm) Thick Sections

**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.

**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 [Desco.com](http://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's Statfree® EB mat is made from a conductive Nitrile rubber with a specially designed firm air-cell structure to reduce standing workers' fatigue. The product is made to provide a flooring surface that does not generate a static charge and will act as part of the path-to-ground for an operator wearing ESD footwear. The resistance range ( $10^4 < 10^6$  ohms Rtt) tested per ANSI/ESD S7.1 and ESD TR53 will remain low enough to act as a path to ground with normal dirt and grime build up on a floor and meet the required limit of ANSI/ESD S20.20 Method 1 ( $< 3.5 \times 10^7$  ohms) for a flooring/footwear system. The bubble air cell structure softens when compressed by a standing operator to create a stable and comfortable standing area for long term activity. Ultra-violet (UV) stabilizer additives are included in the Nitrile rubber compound to stabilize color retention, ensure ESD performance over time and eliminate surface layer deterioration resulting in cracking when the product is flexed. Each mat is lot coded for quality control and lifespan tracking.

**Electrical Properties:**

Property	Test Method	Value
Rtt Resistance:	ANSI/ESD S7.1	$1 \times 10^4 < 1 \times 10^6$ ohms
Rtg Resistance:	ANSI/ESD S7.1	$1 \times 10^4 < 1 \times 10^6$ ohms

**Specifications:**

Thickness: 0.50" (12.7mm)  
 Color:\* Black  
 Texture:\* Bubble cells

\*Color and texture may vary between lots and mills

**Grounding:** This material must be properly grounded for optimum electrical performance. See Technical Bulletin [TB-2000](#) for mat grounding instructions.

**Cleaning:** For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. Desco suggests using our Statguard™ Floor Mat Cleaner Item #[10443](#). Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

Item No.	Description
<a href="#">40935</a>	36" x 60" (0.9m x 1.5m) Section

Tolerances: Width ± .250" Length ± .250" every 1 linear foot of running material. Thickness ± 10%
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Made in the United States of America



Specifications and procedures subject to change without notice

**STATFREE EB™ FLOOR MAT, CONDUCTIVE, RUBBER, ANTI-FATIGUE, 0.50" (12.7mm)**



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MATERIAL  
 STATFREE EB™  
 DRAWING  
 PM-117

DATE:  
 April  
 2012