

Conductive Lightly Embossed Top Layer



Insulative foam rubber sponge base

.50"

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 offers of Desco Industries, Inc.

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 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.

Description:

Desco's Statfree® AFR mat is made with a conductive nitrile rubber top black layer and an anti-fatigue foam rubber bottom layer. The product is designed 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 (10E4 – 10E5 ohms Rtt) of the top black layer 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 x 10E7 ohms) for a flooring/footwear system. The bottom foam rubber layer is designed to reduce standing workers' fatigue and improve productivity. 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.

Note: Not intended for use with chairs, carts, or wheels.

Electrical Properties:

Property	Test Method	Value
Charge Decay:	FTMS 101C, Method 4046	5,000 volts-0 volts in 0.03 seconds
RTT Resistance:	ANSI/ESD S7.1 and ESD TR53	10E4 - 10E5 ohms
RTG Resistance:	ANSI/ESD S7.1 and ESD TR53	10E4 - 10E5 ohms

Specifications:

Construction:	Nitrile rubber laminated to foam rubber
Thickness:	0.50" (12.7mm)
Radius Corners:	1" (25mm)
Surface:	Light Embossed Texture
Hardness:	70 Shore A
Heat Resistance:	0°F to 650°F continuous
Chemical Resistance:	Resistance to degradation by inorganic acids, organic acids, reducing agents, aliphatic hydrocarbons, mineral oil, aldehydes, and amines.

Cleaning: For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. We suggest using our [Reztore™ Surface & Mat Cleaner](#). Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

Item	Size
82082	24" (0.61m) x 36" (0.91m) with 1" radius corners

Tolerances:
Width ± .250"
Length ± .250" every 1 linear foot of running material.

Specifications and procedures subject to change without notice

STATFREE® AFR MAT, ANTI-FATIGUE RUBBER

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DRAWING NUMBER
82082

DATE:
June
2011

DESCO

