



SPI

Side View

Specifications:

Construction: Homogenous vinyl laminated to dual-layer foam rubber
 Thickness: 0.450" (11.4mm)
 Surface: Embossed Diamond Plate Design
 Hardness: 90 Shore A
 Heat Resistance: 0°F to 150°F continuous
 Weight: 1.45 lbs. per square foot
 Density: Average: 33 lbs. per cubic foot



Grounding

This material must be properly grounded to remove electrostatic charges to ground.

Grounding Intervals for ESD Mats

Sufficient ground cords should be used to reliably meet ANSI/ESD S20.20 Table 1 less than 1 x 10E9 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.

Cleaning

For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. We suggest using our Resque 2 Work Surface Cleaner Item #96567 or Reztore™ Static Wipes Item #96770. Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

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	10E3 - 10E5 ohms
RTG Resistance:	ANSI/ESD S7.1	10E3 - 10E5 ohms

Electrical Properties obtained by testing to industrial standards by an independent testing laboratory @ 100 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 offers of Desco Industries, Inc.

Limited Lifetime Warranty

SPI warrants for one year that Type DP 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 SPI 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 SPIWestek.com.

Description:

Anti-fatigue conductive floor mat; homogeneous vinyl laminated to a unique super-resilient, double-thick, rubber foam base. This conductive diamond plate surface offers a high-tech look while providing traction. The diamond plate surface and tapered edges are adopted from industrial safety applications; it is a proven safety and anti-fatigue product. The yellow safety border provides high visibility and can alert employees to ESD controlled areas.

SPI Type DP meets the technical range recommended in ANSI/ESD S20.20 for ESD Floor < 1 x 10E9 ohms tested per ANSI/ESD S7.1. Being a conductive floor mat, SPI Type DP is suitable as the ESD floor component in a Flooring - Footwear System, ANSI/ESD S20.20 recommended technical requirement of <3.5 x 10E7ohms tested per ESD STM 97.1.

Item No.	Size	Thickness
96470 Floor Mat	36" x 48"	0.450"
96471 Floor Mat	36" x 60"	0.450"
96472 Floor Runner	36" x 60'	0.450"

Mats include the 95308 Floor Ground Kit.
 Rolls do not include hardware.

TYPE DP FLOOR MAT, VINYL, CONDUCTIVE, ANTI-FATIGUE

ESD SYSTEMS.com

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



Visit our online
 library of Tech Drawings:
ESDSystems.com

DRAWING NUMBER
 Type DP .45

DATE:
 January
 2009