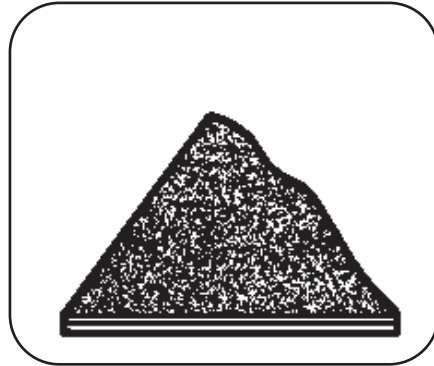


Blue



Grey

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 three-metre intervals to allow proper charge decay rates with each individual ESD mat should be grounded with ground snap located no further than 1.5 metres from either end.

Electrical Properties:

Rp: 10E6 - 10E8 Ohms
 Rg: 10E6 - 10E8 Ohms
 per IEC 61340-4-1

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.

RoHS Compliance Statement

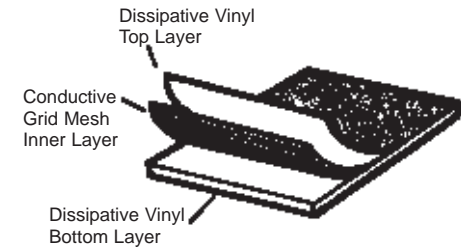
None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at Charleswater.co.uk.

Description:

Statfree Z2™ material is a highly effective three-layer material. Its durable vinyl top layer makes it ideally suited for use as an ESD protective bench mat. Its highly conductive middle layer provides consistent, reliable, and defined path to ground. The cushioned dissipative bottom layer provides energy absorption, protecting components such as disk drives susceptible to physical shock, and makes it easier to pick up small parts. The heat fused vinyl composite resists delamination, and is compatible for use with continuous monitors.



ITEM#	SIZE	COLOR
80480	1.2m x 15.2m	Blue
80484	1.2m x 15.2m	Grey



Specifications:

Construction: Heat fused vinyl composite
 Thickness: 3.2mm
 Colour:* Blue, grey
 Texture:* Light Embossing
 Hardness: 45 Shore "A", per ASTM-D412
 Tensile Strength: Greater than 21.1 Kg/cm², per ASTM-D412
 Tear Strength: Greater than 36 Kg/ cm², per ASTM-D624
 Elongation: Greater than 80%, per ASTM-D412
 Abrasion Resistance: Greater than 750 cycles, per Tabor-CS17
 Heat Resistance: -28.9°C to 60°C continuous
 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 Technical Bulletin PPE-5025.E for mat grounding instructions.

Cleaning: For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. Charleswater Europe suggests using our Reztore™ Surface & Mat Cleaner Item #71021. 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.

Limited Lifetime Warranty:
 Charleswater 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 Charleswater Limited Warranty.



Statfree Z2™ Material, Vinyl, Dissipative, 3 Layer, 3.2mm

CHARLESWATER LTD.
 UNIT 17. MILLBROOK BUSINESS PARK, SYBRON WAY
 CROWBOROUGH, EAST SUSSEX TN6 3JZ UNITED KINGDOM
 PHONE: 00 44 (0) 1892-665313, FAX: 00 44 (0) 1892-668838
 INTERNET: www.charleswater.co.uk

Drawing Number
PME-Z2

DATE:
6/07