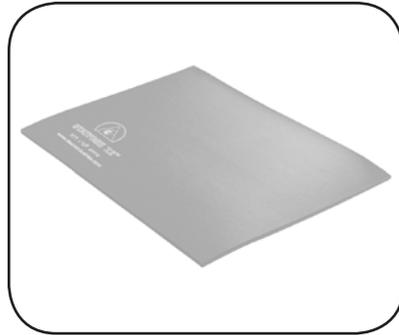




Blue



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 [TB-7505](#) for mat grounding instructions.

Cleaning: For optimum electrical performance, surface must be cleaned regularly using an ESD mat cleaner. Vermason suggests using our Reztore™ Surface & Mat Cleaner Item #[29010](#). Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

Electrical Properties:

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

Item	Size	Color
210991	1.2m x 15.2m	Blue
210990	1.2m x 15.2m	Grey

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:

Vermason 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 Vermason 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 [Vermason.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 meeting the working surface limit and recommendation of EN 61340-5-1. 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.

Grounding Intervals for ESD Mats

Sufficient ground cords should be used to reliably meet EN61340-5-1 Table 3 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.

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.

Specifications and procedures subject to change without notice.

Tolerances:
Width +/- .635cm
Length +/- .635cm every 0.3 linear meter of running material.



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

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Drawing Number
210990

DATE:
April 2010