



Grey

**Disclaimer:**

All statements, technical data, and recommendations contained herein are based upon tests we believe to be reliable. However, the accuracy of completeness thereof is not guaranteed. The proper and correct applications of products and data is the responsibility of the user. Statements of recommendations not contained herein shall have no force or effect unless embodied in a written agreement signed by authorized officers of Desco Industries, Inc.

**Grounding Intervals for ESD Mats**

Sufficient ground cords should be used to reliably meet EN 61340-5-1 Table 3 less than  $< 1 \times 10^9$  ohms for Flooring. 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 metre from either end.

**Tolerances:**

Width and Length  $\pm 6$ mm  
every 0.3m of running material  
Thickness  $\pm 10\%$

**Description:**

Statfree S Plus™ material is specifically designed to reduce fatigue in areas where standing is required for long periods of time. This material has been field tested for many years with no reported loss of electrical properties due to wear or aging. This floor mat combines ESD protection and durability.

Statfree S Plus™ meets Flooring limit of  $< 1 \times 10^9$  ohms per IEC 61340-4-1.

**Electrical Properties:**

Rp-p:  $1 \times 10^6$  to  $< 1 \times 10^9$  ohms

Rg:  $1 \times 10^6$  to  $< 1 \times 10^9$  ohms per IEC 61340-4-1

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:**

Construction: A combination of vinyl and nitrile rubber produces an exceptional anti-fatigue product that exhibits the characteristics of better chemical resistance, improved surface durability and greater resilience than traditional vinyl foams.

Thickness: 9.5mm

Texture:\* Non-directional, embossed, soil and abrasion resistant

Colour:\* Grey

Weight: 0.317 g/cm<sup>2</sup>

Hardness: ASTM-D-2240-75 65 Shore "00"

Wear Resistance: Negligible-Tabor Abrader, 500 Cycles CS-17 wheels, 10,000 grams load

Heat Resistance: -20°to 140°F continuous

Flammability: Pass DOT FMVSS 302 [Horizontal Burn Test]  
Pass,  $< 1"$  diameter CPSC FF 1-70 [Methenamine Tablet Test]

\*Colour 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 [#229021](#). Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface.

**RoHS 2 and REACH Statement**

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2013/12/16 are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See [Vermason Limited Warranty](#).

**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 Limited Warranty](#).

Specifications and procedures subject to change without notice.



**Statfree S Plus™ Dissipative Anti-Fatigue Vinyl/Nitrile Rubber, 9.5mm**

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