



BLACK

Description:

This material is designed primarily for floor mat use, but may also be used in tabletop applications where a conductive surface is required. This rubber material lays flat without curling, allowing people and equipment to pass safely and easily. Rubber material is more durable, has better chemical resistance, and has superior heat resistance. Solder and flux will not damage the surface. Statfree G2 meets the flooring limit of EN 61340-5-1 and is suitable for ESD flooring component in Person/footwear / flooring system as personnel grounding method < 3,5 x 10⁷ ohms per IEC 61340-5-1 clause A.2.

Grounding Intervals for ESD Mats

Sufficient ground cords should be used to reliably meet EN 61340-5-1 Table 3 less than 1 x 10⁹ ohms for flooring and working surfaces. An industry recommendation has been that continuous runs of ESD matting should be grounded at 3 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.

Tolerances:
 Width and Length ± 6mm
 every 0.3m of running material
 Thickness ± 10%

Specifications:

Construction: Premium Nitrile rubber
 Thickness: 1.5 mm (0.060") +/- 10% thick
 Colour:* Black
 Texture:* Low glare, light texture
 Weight: 0.282 g/cm², nominal
 Hardness: 70 Shore A (ASTM D-2240)
 Heat Resistance: -17° C to 343° C
 Chemical Resistance: Resistance to degradation by inorganic acids, organic acids, reducing agents, aliphatic hydrocarbons, mineral oil, aldehydes, and amines

*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 safe mat cleaner. Vermason suggests using our Reztore Mat Cleaner Item #[229021](#). Do not use cleaners with silicone. Silicone buildup will create an insulative film on the surface

Electrical Properties:

Rp-p: < 1 x 10⁶ ohms Per IEC 61340-4-1
 Rg: < 1 x 10⁶ ohms Per IEC 61340-4-1

Item	Description
211020	1.2 m x 2.4 m Floor Mat
211021	1.2 m x 12.2 m Roll

Hardware not included with mat or roll.

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.

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](#).



Made in the
United States of America



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](#).

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



Statfree G2™ Conductive Smooth Rubber, 1.5 mm

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