



BLUE, DARK 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 authorised officers of Vermason.

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 the [Vermason Warranty](#).

RoHS 2 and REACH Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern 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](#).

Tolerances:

Width ± 5mm
Length ± 5mm
Thickness ± 0.1mm

Description

Vermason's Statfree® T2 working surface mat is a 1.5mm thick, 2-layer rubber material. It is designed to provide a path to ground and eliminate static charge generation when used as a worksurface table mat, shelf liner or cart liner. The surface resistance (1×10^6 to $< 10^9$ ohms Rp-p) of the colour top layer meets EN 61340-5-1 working surface required limit and recommendation of EN 61340-5-1 for contact with ESD susceptible items.

The conductive ($< 1 \times 10^5$ ohms Rp-p) bottom black layer reduces the resistance to ground (Rg) from the top of the surface to the groundable point ground and allows the mats to be used with [continuous monitors](#). The Statfree® T2 material is manufactured with high strength nitrile rubber that is designed to withstand abrasion, stretching, and tearing and may be used in soldering applications with flux and other chemicals. Material formulation includes ultraviolet (UV) stabilisers to stabilize colour retention to ensure ESD performance over time and eliminate surface layer deterioration resulting in cracking when the product is flexed.

Statfree T2™ is manufactured without any ozone depleting substances, and in accordance with the Montreal Protocol.

The authors of a recent article in [InCompliance Magazine](#) titled Early Life Failure of Dissipative Workstation Mats, have confirmed that our Statfree® T2 was the top performing worksurface mat (Mat ID#4 in the article) in their study. Click [HERE](#) for more details.

Electrical Properties

Property	Test Method	Value
Rp-p Resistance Top Colour Layer:	IEC 61340-2-3	1×10^6 to $< 1 \times 10^9$ ohms
Rg Resistance Top Colour Layer:	IEC 61340-2-3	1×10^6 to $< 1 \times 10^9$ ohms
Rp-p Resistance Bottom Black Layer:	IEC 61340-2-3	$< 1 \times 10^5$ ohms
Charge Decay:	FTMS 101C, Method 4046 0.01seconds	

Specifications

Construction:	Dual-layer rubber material
Thickness:	1.5mm
Colour:*	Blue (Top), Dark Grey (Top), Black (Bottom)
Texture:*	Slight embossed
Weight:	0.2g/cm ²
Hardness:	65 ± 5 Shore "A", per ASTM-D2240
Heat Resistance:	Does not melt or burn when coming into contact with hot solder and soldering irons.
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 performance, periodic cleaning is required following manufacturer's recommendations. [Reztore™ Surface & Mat Cleaner](#) or equivalent is recommended to clean and maintain your mat. See Tech Bulletin [TB-7000](#) for Reztore™ Surface & Mat Cleaner Application Instructions. See [TB-7505](#) for guidelines regarding the maintenance and cleaning of ESD Mats.

Mat Item Numbers

Size**	Blue	Dark Grey
0.6m x 0.9m	220411	220413
0.6m x 1.2m	220412	220414

Roll Material Item Numbers

Size**	Blue	Dark Grey
0.6m x 12.2m	220415	220418
0.76m x 12.2m	220416	220419
1.2m x 12.2m	220417	220420

**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.



Made in the
United States of America

Vermason

STATFREE T2™ MATERIAL, DISSIPATIVE, RUBBER, 2-LAYER, 1.5MM

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Drawing Number
220411

DATE:
May 2014