



## TECHNICAL DATASHEET

ESD Protection Solutions

**SKU: M200XXX (Refer to table)**

### ESD 2 Layers Table Mats Smooth Finish

Anti-static matting can be laid out in the workshops or advanced laboratories for microelectronic industries such as electronic semiconductor devices, electronic computers, electronic communication equipment and integrated circuits etc.

#### FEATURES & BENEFITS:

- Great value ESD Bench Matting
- Made from antistatic (conductive) and static-dissipative materials with synthetic rubber
- 2mm thick double-layer structure
- Surface layer is a 0.5mm thick static-dissipative layer
- Bottom layer is a 1.5mm conductive layer
- Available in blue, grey or green
- Available with studs on request

#### Colors:



#### GROUNDING :

Sufficient ground cords should be used to reliably meet EN 1-5-61340 Table 3: less than  $1 \times 10^9$  ohms for working surfaces. Industry recommendation is that continuous runs of ESD matting should be grounded at 10ft intervals to allow proper charge decay rates. Each individual ESD mat should be grounded with ground snaps located no further than five feet from either end

#### CLEANING:

Please note that contact between the matting surface and any acid or alkali solvent is strictly prohibited (such as Benzene, Alcohol etc.), this will result in the antistatic performance wearing away. If cleaning is required, the matting may be wiped with a cloth coated in a neutral solution (such as water).



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### TEST RESULTS:

	TEST METHOD	UNIT	VALUE
Surface Resistance / R <sub>16</sub>	SJ/T2004-10694	Ohms	$1 \times 10^6 \leq R \leq 1 \times 10^9$
Bottom Resistance / R <sub>TT</sub>	SJ/T2004-10694	Ohms	$1 \times 10^3 \leq R \leq 1 \times 10^6$
Volume Resistance	GB/T97-14437	Ohms	$1 \times 10^5 \leq R \leq 1 \times 10^8$
Thickness	YY-1001	mm	Permissible Tolerance +0.1
Temperature Resistance	YY-1001	°F	356 (Instantaneous Temp)
Temperature	N/A	°F	68-79
Relative Humidity	N/A	%	40-65

PRODUCT CODE	Description
<b>M2000B07</b>	ESD MAT 600X1000MM 2XSTUD 10MM BLUE
<b>M2000B09</b>	ESD MAT 600X900MM 2XSTUD 10MM BLUE
<b>M2000B12</b>	ESD MAT 600X1200MM 2XSTUD 10MM BLUE
<b>M2000G07</b>	ESD MAT 600X1000MM 2XSTUD 10MM GREY
<b>M2000G09</b>	ESD MAT 600X900MM 2XSTUD 10MM GREY
<b>M2000G12</b>	ESD MAT 600X1200MM 2XSTUD 10MM GREY
<b>M200B121</b>	ESD MAT 1000X1200MM 2XSTUD 10MM BLUE
<b>M200G121</b>	ESD MAT 1000X1200MM 2XSTUD 10MM GREY
<b>M2000G06</b>	ESD TABLE MATTING ROLL 0.6X10 METER GREY
<b>M2000B06</b>	ESD TABLE MATTING ROLL 0.6X10 METER BLUE
<b>M2000G08</b>	ESD TABLE MATTING ROLL 0.8X10 METER GREY
<b>M2000B08</b>	ESD TABLE MATTING ROLL 0.8X10 METER BLUE
<b>M200B120</b>	ESD-TABLE MATTING ROLL 1,2X10 METER BLUE
<b>M200G120</b>	ESD-TABLE MATTING ROLL 1,2X10 METER GREY