WIDA GENERAL TRADING LLC

TECHNICAL DATASHEET

ESD Protection Solutions

SKU: M300XXX (Refer to table)

ESD 2 Layers Table Mats Smooth Finish

Our 3 Layer Antistatic Mat provides excellent ESD protection. Suitable for both ESD workbenches and EPA floor areas. The mat is easy to clean and has excellent lay flat properties for a flat work surface.

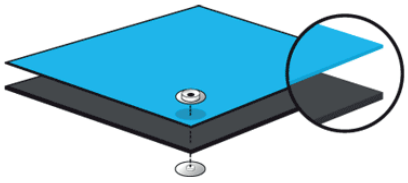
It is also supplied with a 10mm press stud in each corner. This matting is designed to be volume conductive across the whole surface layer and has a buried conductive middle layer which improves the electrical properties by acting as a fast track to move static charge to ground. It is specifically developed so that when the top surface is "dirty" the mat can be flipped over with no loss of performance, which can double the usable life span.

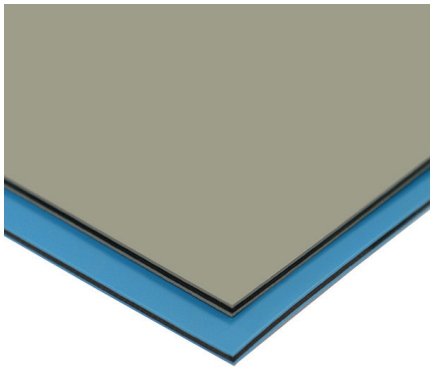
FEATURES & BENEFITS:

- Great value ESD Bench Matting made from antistatic (conductive) and static-dissipative materials with synthetic rubber
- All bench mats come with 10mm studs in each corner

COLORS:

GREY BLUE





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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).

GUIDANCE ON USE:

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. Matting should always be trimmed with a sharp knife or razor blade.

CUTTIN TOLERANCES:

Width ± 6mm
Length ± 6mm every linear foot of running material

CLEANING:

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.

GROUNDING :

Sufficient ground cords should be used to reliably meet EN 61340-5-1 Table 3: less than 1×10^9 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

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TEST RESULTS:

	TEST METHOD	UNIT	VALUE
Surface Resistance / R_{tG}	SJ/T2004-10694	Ohms	$1x10^6 \leq R \leq 1x10^9$
Bottom Resistance / R_{TT}	SJ/T2004-10694	Ohms	$1x10^3 \leq R \leq 1x10^6$
Volume Resistance	GB/T97-14437	Ohms	$1x10^5 \leq R \leq 1x10^8$
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
M3000B07	ESD MAT 600 X 1000 MM 2 X STUD 10MM BLUE
M3000B09	ESD MAT 600 X 900 MM 2 X STUD 10MM BLUE
M3000B12	ESD MAT 600 X 1200 MM 2 X STUD 10MM BLUE
M3000G07	ESD MAT 600 X 1000 MM 2 X STUD 10MM GREY
M3000G09	ESD MAT 600 X 900 MM 2 X STUD 10MM GREY
M3000G12	ESD MAT 600 X 1200 MM 2 X STUD 10MM GREY
M300B121	ESD MAT 1000 X 1200 MM 2 X STUD 10MM BLUE
M300G121	ESD MAT 1000 X 1200 MM 2 X STUD 10MM GREY