



Part of Ant Group Ltd

ESD Anti Slip Multipurpose Matting - 3mm

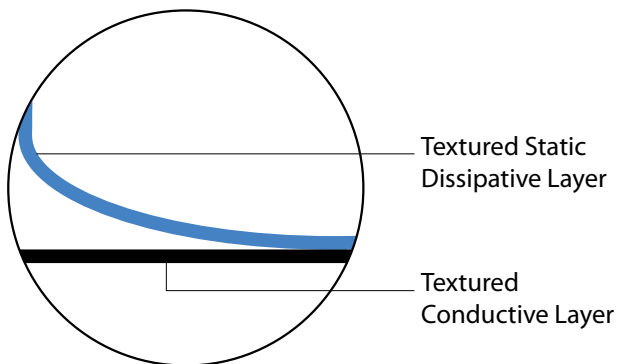
Features:

A multi purpose, anti-static matting for use on either workstation benches or as a flooring solution in the workshops of advanced laboratories for microelectronic industries.

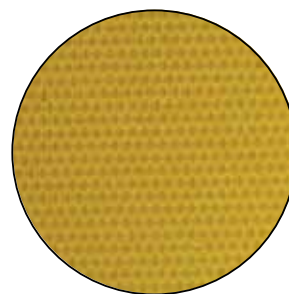
- Made from anti-static (conductive) and static-dissipative materials with synthetic rubber
- Corrugated surface provides slip resistance and even footing
- Excellent abrasion resistance
- Easy to clean, sweep or hose off
- Resistant to cuts, tears, impact, ozone damage, fire and most chemicals
- Available in 2 / 3 and 4mm thick double-layer structure
- Surface layer is a 1mm thick static-dissipative layer
- Available in blue and yellow surface with black textured bottom surface



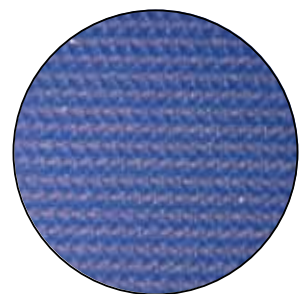
Construction:



Colours / Finish:

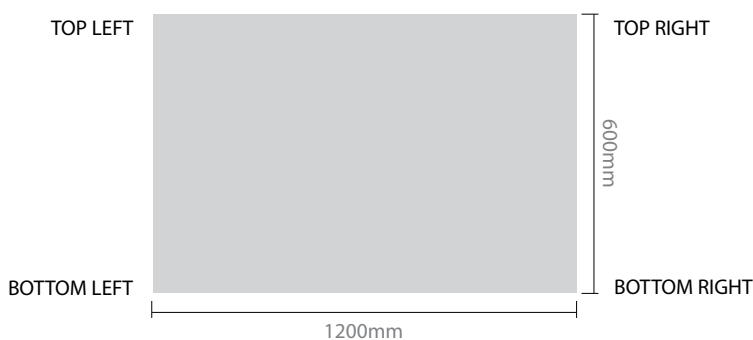


Yellow / Black



Blue / Black

Fig 1: Stud Positioning



Requesting Cut Mats with Studs:

If ordering pre cut mats and you require studs to be added, please ensure that the position of the stud is specified as per Fig 1.



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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.

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.

CUTTING TOLERANCES:

Width ± 6 mm

Length ± 6 mm every linear foot of running material

RoHS COMPLIANCE:

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.



Test Results:

	Test Method:	Unit:	Value:
Surface Resistance / R_{TG}	SJ/T10694-2004	Ω	$1 \times 10^6 \leq R \leq 1 \times 10^9$
Bottom Resistance / R_{TT}	SJ/T10694-2004	Ω	$1 \times 10^3 \leq R \leq 1 \times 10^6$
Volume Resistance	GB/T14437-97	Ω	$1 \times 10^5 \leq R \leq 1 \times 10^8$
Thickness	YY-1001	mm	Permissible Tolerance +0.1
Temperature Resistance	YY-1001	$^{\circ}\text{C}$	180 (Instantaneous Temp)
Temperature	N/A	$^{\circ}\text{C}$	20-26
Relative Humidity	N/A	%	40-65

R_{TG} is the resistance from one point on the mat's surface to the mat's ground point, and is the fundamental electrical test for a mat. A proper R_{TG} insures that a mat can conduct charge from a point on the surface to the mat ground point. The guideline in ESD STM-4.1 for R_{TG} is 1×10^6 to 1×10^9 ohms. ANSI/ESD S-20.20 has an upper limit of $< 1 \times 10^9$ ohms.

R_{TT} is the resistance from one point on the mat's surface to another point. A proper R_{TT} insures the consistency of the mat's resistance properties. The ESD STM-4.1 guideline for R_{TT} is $> 1 \times 10^6$ ohms.



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Product Code:	Description:	Size:	Additional Notes:
082-0065	ESD Anti Slip Multipurpose Matting - 3mm	1.2m wide / 10m length per roll	Yellow / Black
082-0066	ESD Anti Slip Multipurpose Matting - 3mm	1.2m wide / 10m length per roll	Blue / Black
082-0067	ESD Anti Slip Multipurpose Matting - 3mm	600 x 1200mm	Yellow / Black
082-0068	ESD Anti Slip Multipurpose Matting - 3mm	600 x 1200mm	Blue / Black
067-0060	Stud - Top Left	10mm stud	Each
067-0061	Stud - Top Right	10mm stud	Each
067-0062	Stud - Bottom Left	10mm stud	Each
067-0063	Stud - Bottom Right	10mm stud	Each
067-0064	Stud - All 4 Corners	10mm stud	Qty 4 Studs