

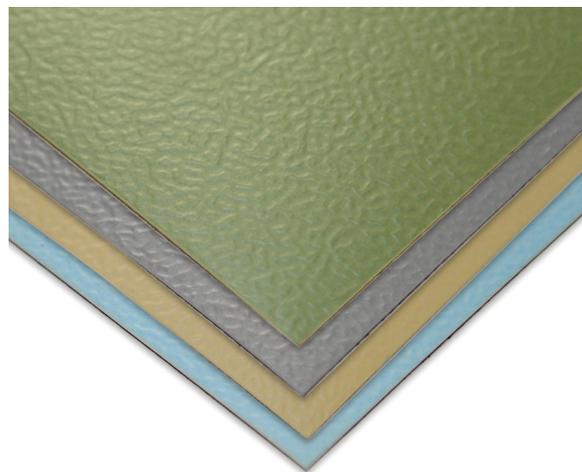
**PRODUCT**

## ESD Bench Matting - 2 Layer - Textured Finish

A textured, 2-Layer ESD bench mat designed for use within EPA work-spaces. The surface of this bench mat is designed with a reflection breaking finish to reduce glare and improve operator comfort. The matting also provides protection against small collisions thanks to the forgiving nature of rubber.

**FEATURES**

- Reflection breaking surface
- Excellent friction coefficient
- Heat resistant: rubber does not melt or burn coming into contact with hot metal parts or soldering debris
- Resistant to chemical agents normally used for maintenance
- Oil resistance
- Suitable for loose laying: does not require application with adhesive
- Resistant to scratches
- Excellent flexibility and comfort
- Cut mats available on request
- European origin
- Available with studs



**COLOURS**



Blue



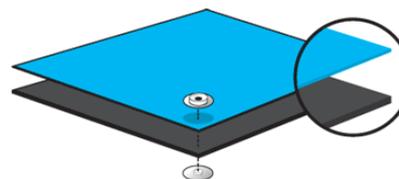
Beige



Grey



Green



Static Dissipative Layer

Conductive Layer

To request a quotation or for more information, please call **+44 (0)1473 836200**  
email [info@antistat.co.uk](mailto:info@antistat.co.uk) or visit [www.antistat.co.uk](http://www.antistat.co.uk)

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## Grounding

Sufficient ground cords should be used to reliably meet EN 61340-5-1 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 degrading. 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  $\pm$  6mm

Length  $\pm$  6mm 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

CHARACTERISTIC	STANDARD	AVERAGE RESULTS (OHMS)
Surface Resistance	IEC 61340-4-1	$1 \times 10^7$ / $1 \times 10^9$ Ohms
EN 1000015-1	-	$5 \times 10^6$ / $5 \times 10^8$ Ohms
EOS/ESD S11-11	-	$1 \times 10^7$ / $5 \times 10^8$ Ohms
Volume Resistance	IEC 61340-4-1	$5 \times 10^6$ / $1 \times 10^8$ Ohms
Resistance to Ground	EN 100015-1	$1 \times 10^6$ / $1 \times 10^8$ Ohms
EOS/ESD S11-11	-	$1 \times 10^6$ / $1 \times 10^8$ Ohms
IEC 61340-4-1	-	$5 \times 10^6$ / $5 \times 10^7$ Ohms
Charge Decay	FED TM 101C (5000V-50V)	<0,01sec

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## TEST RESULTS

DETAILS	TEST STANDARD	RESULTS
Material	-	Conductive rubber, static dissipative rubber
Thickness	-	2mm
Width	-	120cm
Length	-	10m per roll
Surface	-	Non-Shining
Tester	-	ETS 406C Static Decay Meter, 3M Model 701 Test Kit for Static Control Surfaces
Hardness	ISO 7619	75±5 shore A
Abrasion Rate	ISO 4649, method A	≤200mm <sup>3</sup>
Indentation	EN433	≤0,20mm
Cigarette Burning Resistance	EN1399	No burn
Chemical Resistance	EN423	Resistant to chemical agents normally used for maintenance
Dimensional Stability	EN424 - 6h/80°C	≤0.4%
Surface Resistance Top Layer	EN 100015.1-IEC61340	About 10 <sup>8</sup> Ohms
Surface Resistance Bottom Layer	EN 100015.1-IEC61340	About 10 <sup>8</sup> Ohms

## Results after accelerated ageing at 70°C for 12 days

CHARACTERISTIC	STANDARD	AVERAGE RESULTS (OHMS)
Surface Resistance	EOS/ESD S11-11	<10 <sup>9</sup> Ohms
EN 1000015-1	-	-
Volume Resistance	IEC 61340-4-1	<5 x 10 <sup>8</sup> Ohms
Resistance to Ground	EOS/ESD S11-11	<10 <sup>8</sup> Ohms
IEC 61340-4-1	-	<10 <sup>8</sup> Ohms
Charge Decay	FED TM 101C (5000V-50V)	<0,02sec

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## PRODUCT CODES

PRODUCT CODE	DESCRIPTION	SIZE (METRIC)	COLOUR
082-0028	ESD Bench Matting - Textured Finish	1.2m x 10m (roll)	Blue
082-0034	ESD Bench Matting - Textured Finish	1.2m x 10m (roll)	Grey
082-0030	ESD Bench Matting - Textured Finish	1.2m x 10m (roll)	Beige
082-0035	ESD Bench Matting - Textured Finish	1.2m x 10m (roll)	Green
082-0024	ESD Bench Matting - Textured Finish	600mm x 1200mm	Blue
082-0025	ESD Bench Matting - Textured Finish	600mm x 1200mm	Grey
082-0026	ESD Bench Matting - Textured Finish	600mm x 1200mm	Beige
082-0027	ESD Bench Matting - Textured Finish	600mm x 1200mm	Green

Studs available upon request - contact one of our sales team

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