

# Premium Textured ESD Bench Matting


## Description

Premium Textured ESD Bench Matting is a highly durable work surface for an ESD sensitive environment. The matting provides excellent static dissipation to ground when connected to Earth via a grounding system. The surface is scratch-resistant, protecting the surface of static sensitive components during production. The matting is made from a durable synthetic rubber material with a textured finish. The matting can be loosely-laid at a workstation without the need for any adhesives. It has two layers: a static-dissipative top layer with a conductive backing, providing a superior and consistent ground path. The matting is resistant to abrasion, heat, UV and solder-splash and does not melt if in contact with hot metal parts or soldering debris. Available in rolls or cut-sized mats. For optimum electrical performance, the surface of the mat must be cleaned regularly using an ESD-safe mat cleaner.

## Key Features

- Synthetic rubber material with textured finish
- Construction: Static-dissipative surface, conductive backing
- Scratch-resistant to prevent the sliding of components
- Resistant to heat, UV, solder-splash / hot paste and abrasion
- Thickness: 0.076 (2.00mm)
- Select from 0.6m or 1.2m widths
- No curling, no pin-holes, and no irritant odour
- Stud force: 6KG/ 59cm (Recommended)
- Easy to clean with an ESD mat and table cleaner
- Can be loose-laid at the workbench (no adhesives required)
- Can be cut and studded to suit your requirement

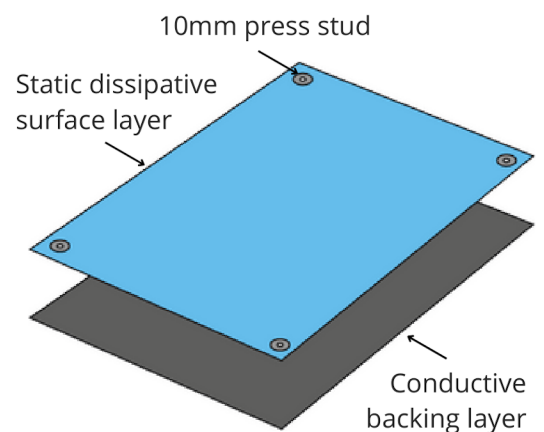
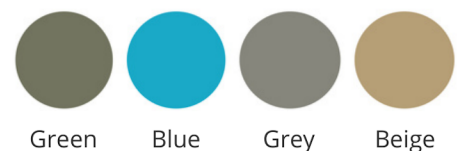
## ESD Standards & Regulations Met

 RoHS compliant	 BS IEC 61340-5-1
 REACH compliant	 US ESD Associations ANSI S4.1 and S20.20 guidelines
 European Conformity	 EN61340-5-1



The images are shown for illustration only, the colour may differ slightly to the image shown.

Colour Options  
(May vary between batches)



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Specifications	Values
Thickness	0.076 (2.00mm)
Hardness - Upper Dissipative Layer	70 -5 + 5 shore A (Per ASTM D2240)
Hardness - Lower Conductive Layer	75 -5 + 5 shore A (Per ASTM D2240)
Scratch Resistance	No clear scratch and well recovery
UV Resistance	No major disc.
Stud Force	6KG/ 59cm (Recommended)
Surface Resistance Point-to-Point	<10 <sup>(9)</sup>
Surface Resistance Resistance-to-Ground	10 <sup>(6)</sup> – 10 <sup>(8)</sup>
Heat Resistance	Resist holds irons and hot paste, rubber doesn't melt if in contact with hot metal parts and soldering debris.
Charge Decay	< 0.1 sec per FTMS 101C, M4046, TB-WINT-0008
Charge Generation	< 100 volts per ANSI/ ESD STM4.2
Room Temperature	21°C
Humidity	62%
300% Tensile Strength	Top Layer: 3.7Mpa    Bottom Layer: 3.7Mpa
Breaking Strength	Top Layer: 18.7Mpa    Bottom Layer: 3.7Mpa
Elongation at Break	Top Layer: 690Mpa    Bottom Layer: 250Mpa
Hardness	Top Layer: 66°    Bottom Layer: 80°

## Stud Position

