

## Specification for Rubber ESD Bench Material

### FEATURES

- 2 layer ESD matting
- Blue or Grey
- No Odour
- Resistant to solder, flux, solvents and abrasion
- No UV discolouration
- 10m x 1,2 m rolls
- Or
- 10m x 0.6m rolls
- Cut to size :
  - 1.2m x 0.6m
  - 0.9m x 0.6cm



A dual layer static dissipative rubber mat, high durable work surface for ESD sensitive environments. The dissipative top layer is resistant to abrasion, heat, solders flux and most commonly used solvents. The black conductive bottom layer provides a superior and consistent ground path. This meets the requirements of EN61340-5-1 and US ESD Associations ANSI S4.1 and S20.20 guidelines. The smooth texture can be easily cleaned and maintained. The product is also certified for ROHS regulations.

#### General Specifications:

Material:- Synthetic rubber

Construction:- Two layer, static dissipative top surface, black conductive bottom layer  
Thickness: 0.076 (2.00mm)

Top Layer (0.5mm) 106 ohm ~109 ohm Bottom Layer (1.5mm) 103 ohm ~ 105 ohm

Colour options: Grey or Blue. (this may vary between batches)

Hardness: Per ASTM D2240

Upper dissipative layer – 5 + 5 shore A  
conductive layer – 75 + 5 shore A

Lower

Scratch resistance: No clear scratch and good recovery

Heat resistance: Resist hot irons and hot solder:-260°C

Chemical resistance: No discolouration after contact with IPA, Acetone or common solvents

UV resistance: No discolouration

Charge Decay: < 0.1 sec per FTMS 101C, M4046

Charge generation: < 100 volts per ANSI/ ESD STM4.2

No curling, No pin holes, No irritant odour

Sizes: Standard roll sizes are 10m x 1.2m and 10m x 0.60  
force: 6KG/ 59cm (Recommended)

Stud

Cleaning: For optimum electrical performance surface must be cleaned regularly using an ESD safe mat cleaner available from Vodex Ltd ([www.vodex.co.uk](http://www.vodex.co.uk))

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