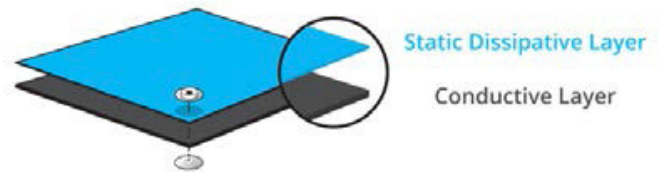
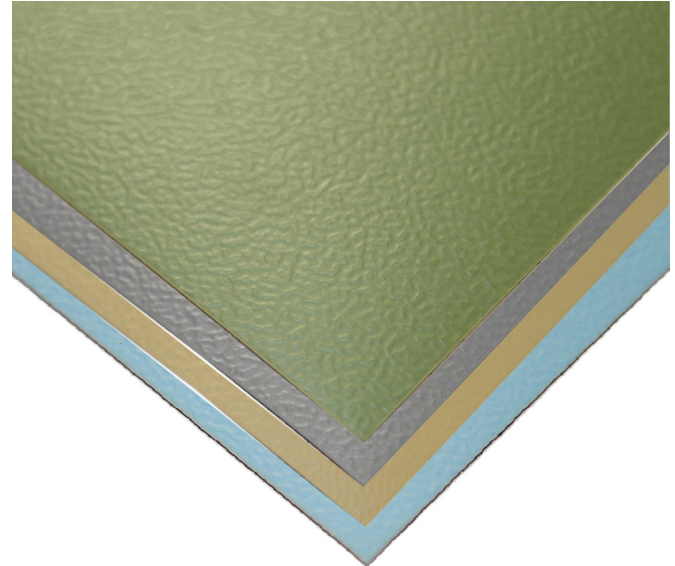


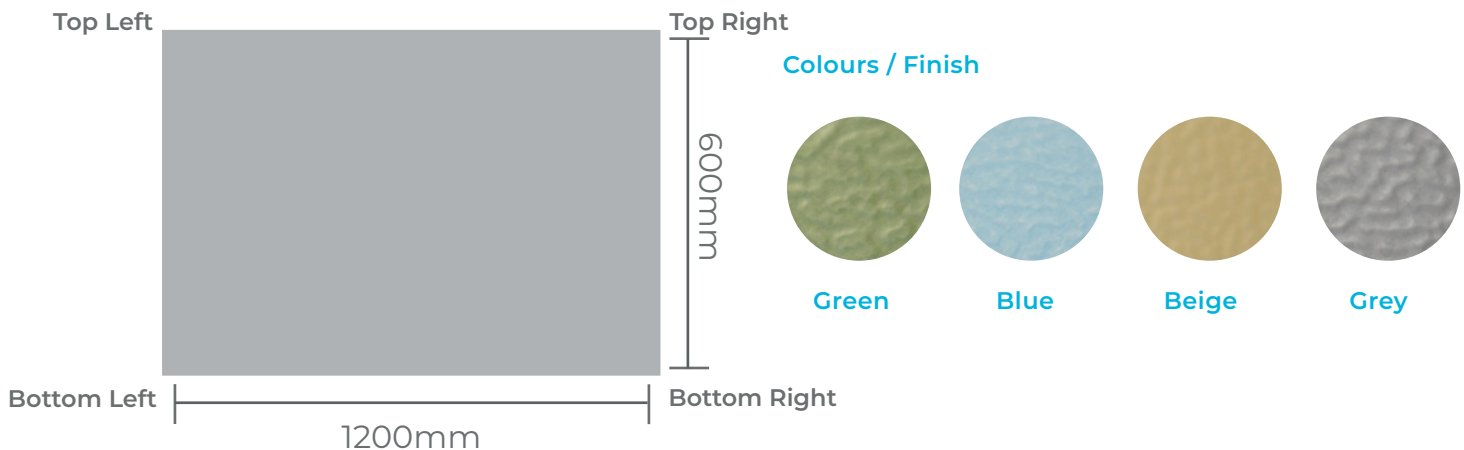
# ESD Bench Matting - 2 Layer, Textured Finish

## Features:

- High quality ESD bench matting
- Reflection breaking surface to reduce glare and improve operator comfort
- Protection against small collisions thanks to natural resilience of rubber
- Prevents sliding of delicate components thanks to 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: this product resists most oils
- Suitable for loose laying: does not require application with adhesive
- Good resistance to scratches
- Excellent flexibility and comfort
- Cut mats available on request
- European origin



**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  $1 \times 10^9$  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 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  $\pm$  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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## ESD Bench Matting - 2 Layer, Textured Finish

### 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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## ESD Bench Matting - 2 Layer, Textured Finish

| Product Code | Description                         | Size (Metric)     | Additional Notes |
|--------------|-------------------------------------|-------------------|------------------|
| 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 10m       | Blue             |
| 082-0025     | ESD Bench Matting - Textured Finish | 600mm x 10m       | Grey             |
| 082-0026     | ESD Bench Matting - Textured Finish | 600mm x 10m       | Beige            |
| 082-0027     | ESD Bench Matting - Textured Finish | 600mm x 10m       | Green            |
| 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      |



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