



Three-Layer ESD Matting

KS3LM

Description

This 3-layer synthetic ESD rubber bench material is manufactured to the highest quality for use on ESD workbenches for EPA/ESD sensitive areas. Matting is 3mm thick and available in dark blue as standard. Provides a cushion feel which is good when working with sensitive components and assemblies. With its excellent lay-flat properties, it allows for a flat work surface. The matting has a conductive centre layer with a static dissipative surface and backing. The static-dissipative surface layer is resistant to abrasion, heat and solder splash.

The texture can easily be cleaned with our mat and tabletop cleaner. The user can be easily grounded to the mat with a 10mm press stud and earth point. Compliant to EN 61340-5-1 and ANSI 520.20 specifications. ROHS and REACH compliant.

Features

- Standard colour is dark blue; available in other colours on request.
- Synthetic ESD rubber material.
- Excellent lay-flat properties.
- Highly durable.
- 3mm thick.
- Three layers (static-dissipative surface, conductive centre and static-dissipative backing).
- Matting is resistant to oils, acids, abrasion, heat and solders splashes.
- Available in custom sizes on request.
- Compliant to EN 61340-5-1 and ANSI 520.20 specifications.
- ROHS and REACH compliant.



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

Cleaning

For optimum electrical performance, the surface must be cleaned regularly using an ESD safe mat cleaner. We suggest using a Staticide surface cleaner for best cleaning results. This will maintain the original resistivity of the anti-static mat whilst extending its shelf-life.

Standards

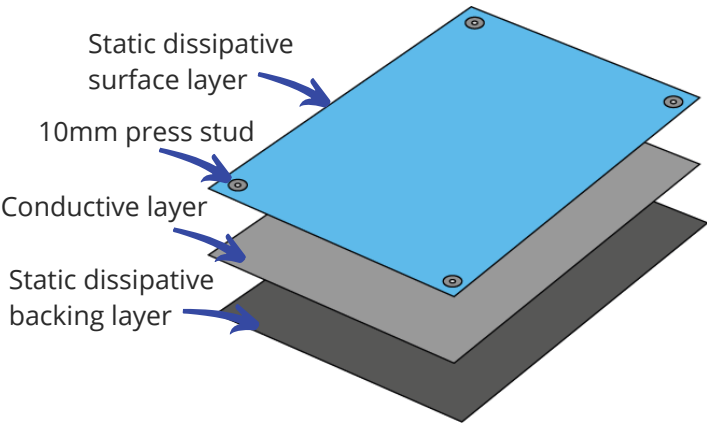
This meets the requirements of EN 61340-5-1 and ANSI 520.20 standards. The product is also ROHS and REACH compliant.





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Construction

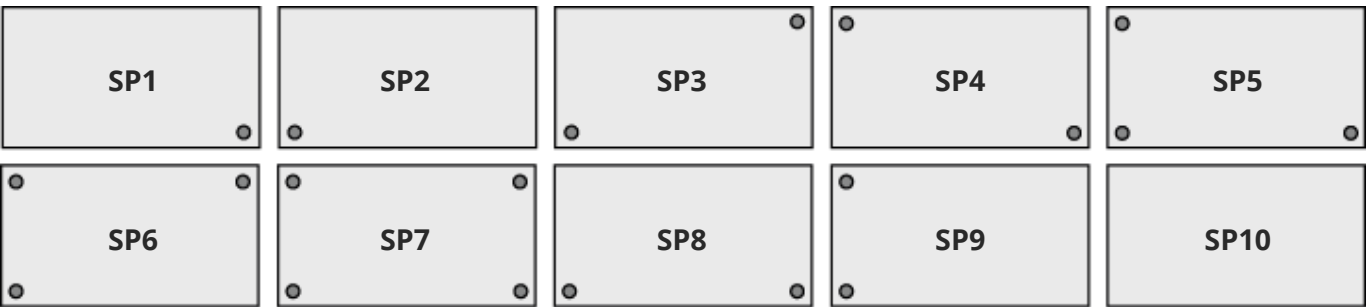
The matting is made up of three layers. The matting has a buried conductive centre layer, static dissipative surface layer and static dissipative backing layer. The user can be easily grounded to the mat with a 10mm press stud and earth point.

Standard Roll Sizes

- 0.6m x 10m
 - 0.9m x 0.6m (3ft x 2ft)
 - 1.2m x 10m
 - 1.2m x 0.6m (4ft x 2ft)
- Custom sizes on request.

Electrical Properties	Typical Values
Surface layer resistance	10^8 ohms per square
Bottom layer resistance	10^4 ohms per square

Stud Position

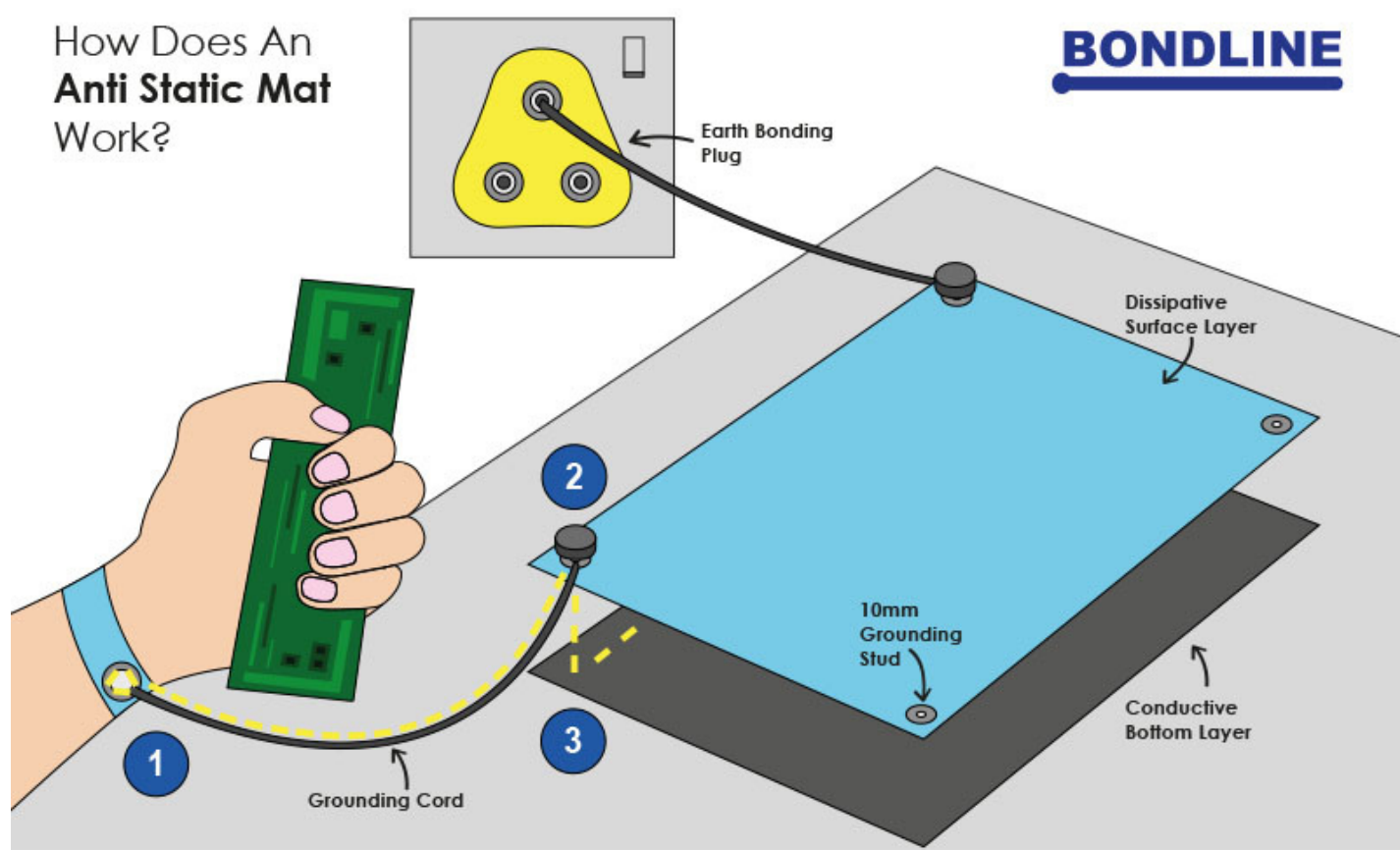




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How Does An
Anti Static Mat
Work?



- 1 Operator is grounded as charge passes through the wrist strap into the coil cord.
- 2 Coil cord is connected to the 10mm grounding stud.
- 3 The static charge passes through the mat, through the grounding lead to earth.



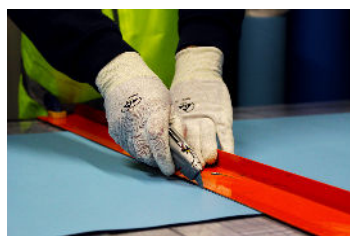


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Customised Matting Process

We provide a premium service of bespoke custom sizing and studding for our bench matting to suit all customer requirements. If you would like bespoke customisation, please make an enquiry to us.



Matting Stock

Our matting is currently stocked in our warehouse and is safely stored. Our matting is stocked on a regular basis to ensure we can support our customers' needs.



Important Notice: The information contained within this spec sheet is for guidance only. We make no warranties expressed or implied and assume no liability regarding any use of this information. Three Layer ESD Matting, March 25th 2021.