

3-Layer Matting With A Conductive Centre Layer

KS3LM

Description

This 3-layer matting with a conductive centre layer is long-lasting and provides excellent ESD protection for the safe handling of static sensitive components in static controlled areas. A highly durable work surface that is resistant to most oils, acids, abrasion, heat and solder splashes. The soft rubber provides a cushion feel which is good when working with static sensitive components and assemblies. The bench matting is 3mm thick and available in dark blue or grey as standard. Excellent lay-flat properties. The matting has a buried conductive centre layer with a static dissipative surface and backing. Available to order in custom sizes on request. The user can be easily grounded to the mat with a 10mm press stud and Earth point. Compliant to IEC 61340-5-1 and ANSI 520.20 specifications.



Available in
dark blue or grey

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

Key Features

- Thickness: 3mm
- Material: Durable, synthetic rubber
- Three layers: Static-dissipative surface, buried conductive centre layer and static-dissipative backing
- Dark blue or grey as standard; available in other colours on request
- Excellent lay-flat properties
- The surface working layer is resistant to most oils, acids, abrasion, heat and solders splashes
- Easy to clean with an ESD mat and table cleaner
- Can be loose-laid at the workbench (no adhesives required)
- All matting can be cut and studded to suit all customer requirements
- Compliant to IEC 61340-5-1; ANSI 520.20; RoHS; REACH; CE

Meets the Following ESD Standards & Regulations:



RoHS compliant



REACH compliant



CE approved



IEC 61340-5-1



ANSI 520.20

All matting can be cut and studded to suit all customer requirements

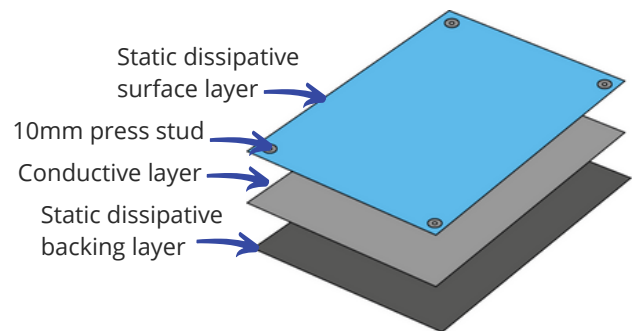
All bespoke cut mat sizes will have a +/-10% manufacturing tolerance dependent on size.

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Construction

The matting is made up of three layers; a static dissipative surface, buried conductive centre, and static dissipative backing. The surface working layer is resistant to most oils, acids, abrasion, heat and solders splashes. The user can be easily grounded to the mat with a 10mm press stud and Earth point.



Product Code	Description	Size
KS3LM32	Dark Blue Standard Mat	900 x 610mm (3ft x 2ft)
KS3LM42	Dark Blue Standard Mat	1.2m x 610mm (4ft x 2ft)
KS3LM210	Dark Blue Full Roll	600mm x 10m
KS3LMG210	Grey Full Roll	0.6m x 10m
KS3LM410	Dark Blue Full Roll	1.2m x 10m
KS3LMG410	Grey Full Roll	1.2m x 10m

Electrical Properties	Typical Values
Surface Layer Resistance	$10^{(8)}$ Ohms per square
Bottom Layer Resistance	$10^{(4)}$ Ohms per square

Cleaning Directions

For optimum electrical performance, the matting should be cleaned on a regular basis with an ESD safe cleaner. We suggest using our Staticide mat and table top cleaner for best results. IPA wipes, normal cleaners, Dettol or general anti-bacterial products are **NOT RECOMMENDED** to be used for cleaning ESD mats.



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Stud Position

Please get in touch with us if you would like your mat to be studded. We can customise the stud position of the matting with the following options:

