Black Conductive Material

KSMBC

Description

Conductive rubber material, for general use in ESD protected areas. This material is 1.5mm thick. It has a static-dissipative surface with a conductive backing giving a typical resistance to ground of 10^(6) – 10^(7) ohms. Cut mats available on request.

Features

- Rugged synthetic rubber.
- Heat resistant.
- Halogen free.
- Thickness: 1,5mm.
- Colour: black with smooth finish.
- RoHS and REACH compliant.
- Compliant according to IEC-61340-1-5 standard.

Product	Description
KSMBC4	1.2 metres wide x 10 metres long
KSMBC2	0.6 metres wide x 10 metres long
Cut mats available on request	

Cleaning Method

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

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General Specifications	Typical Values
Material	Rugged Synthetic rubber
Standard	Complies with EN 61340-5-1
Thickness	1,5mm
Colour	Black with smooth finish

Physical Properties	Standard	Values
Density	DIN 53479	1,4 ± 1,02 g/cm^(3)
Abrasion (5N load)	DIN 53516	130mm^(3)
Hardness	DIN 53505	80 Shore A
Impression test	DIN 51955	0,1 mm

Electrical Properties	Test Standard	Typical Value	Requirements
Point to point resistance Rp	EN 61340-2-3	10^(3)-10^(5)	EN 61340-5-1
Resistance to groundable point RG	EN 61340-2-3	10^(3)-10^(5)	EN 61340-5-1

Customised Matting Process

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




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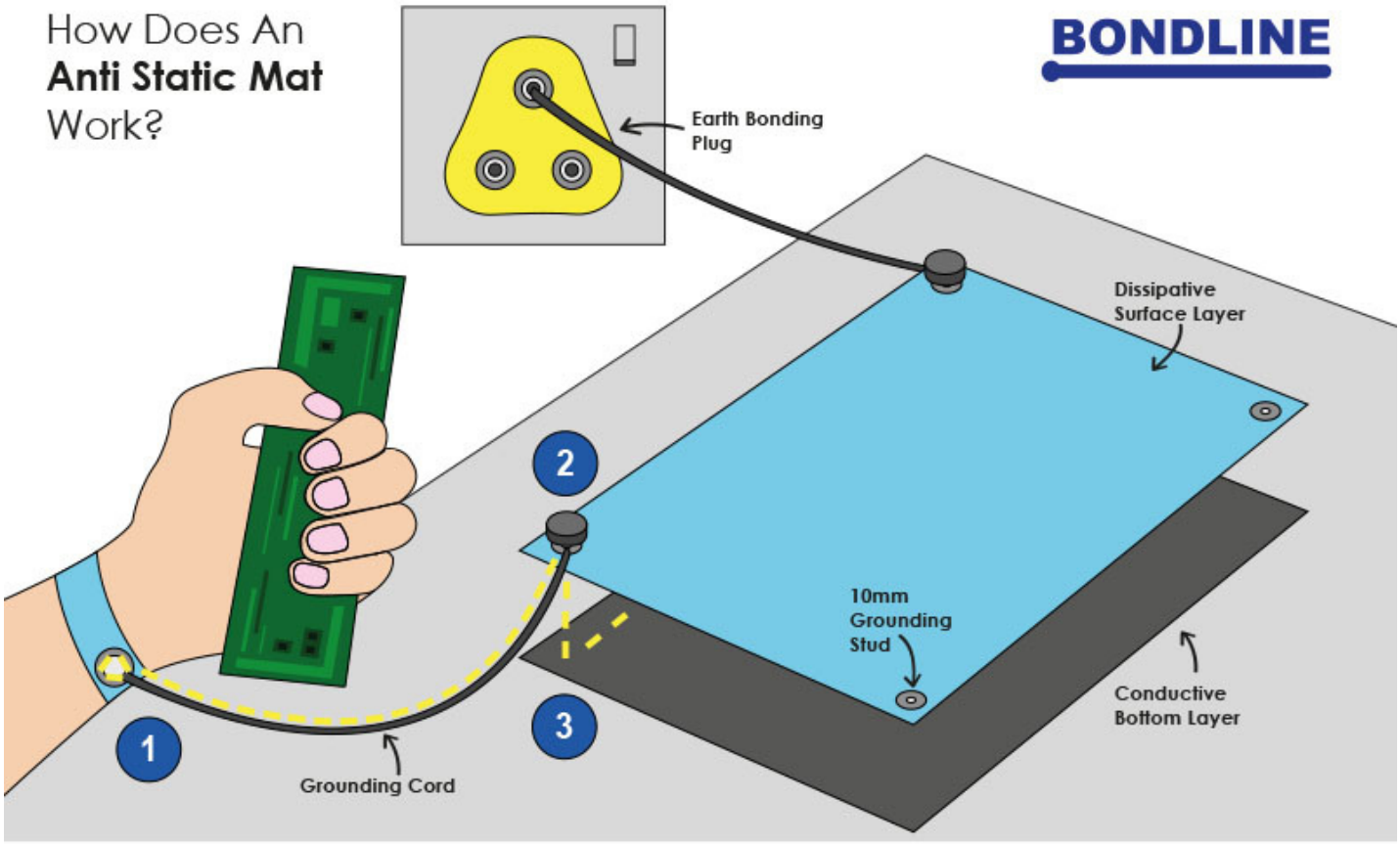

1. Operator is grounded as charge passes through the wrist strap into the coil cord.
2. Coil cord is connected to the 10mm grounding stud.
3. The static charge passes through the mat, through the grounding lead to earth.