



KILLSTAT Anti Static ESD Grounding Kit

Description:

Introducing our **Kill Stat Anti Static ESD Grounding Kit** available in three sizes: 300 x 600mm, 400 x 500mm and 500 x 700mm. Our high quality, Anti Static ESD Grounding Kit provides excellent static dissipation to ground and is designed for safe use with electronic components and devices.

The kit can be used for multiple applications including PC building, grounding, soldering repair, circuit board repair, mobile phone repair, laptop repair, gaming console repair, and other electronic applications. The anti static ESD matting can resist high temperatures and heat, which makes it suitable for use with soldering and hot gluing workstations. All items included within the kit are compliant to the IEC-61340-5-1 ESD Standard. The kit prevents static damage to electronic components and devices.

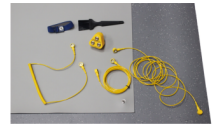
300 x 600mm



400 x 500mm



500 x 700mm



Key Features:

- **Protect Your Electronics:** The Kill Stat Anti Static ESD Grounding Protection Kit is an essential tool for preventing static damage to your electronic components, including computers, laptops, gaming consoles, and mobile phones.
- **Ideal For PC Building & Electronics Repair:** Whether you're cleaning, upgrading, repairing, or building PCs, laptops, motherboards, circuit boards, graphics cards, gaming units, or other electronic devices, this kit has everything you need to ensure that your work is done safely and effectively.
- **Resists High Temperatures:** The matting included in the kit has a high heat resistance to solder splash, hot paste and abrasion. The rubber material doesn't melt if in contact with hot metal parts and soldering debris, which makes it perfect for use with soldering and hot gluing workstations.

Testing Guidance:

Please note: You can only test our grounding/work bench mats with an 'ESD Surface Resistance Test Kit' which we quality check all our mats before dispatch.



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Each Kit Includes:

- 1 x Anti Static Rubber ESD Bench Mat with 2 x 10mm studs
- 1 x Adjustable Anti Static Fabric ESD Wrist Strap (10mm stud)
- 1 x Earth Bonding Grounding Adaptor (UK, 3 pin, 3 x 10mm studs, 1 meg-ohm resistor)
- 1 x 3m Anti Static ESD Straight Grounding Wire (Snap on both ends) (Yellow)
- 1 x 6ft Anti Static ESD Coil Grounding Wire (Snap on both ends) (Yellow)

Larger kit (500 x 700mm) also comes with:

- 1 x Rubber Anti Static ESD Floor Mat with 2 x 10mm studs (1200mm x 600mm)
- 1 x Anti Static Flat Style ESD Brush 170mm (45 x 40mm)
- 1 x **Additional** 3m ESD Straight Grounding Wire (Snap on both ends) (Yellow)

Cleaning Guidance:

Since dirt can behave as an insulator, it is important to regularly clean ESD mats before testing and monitoring the resistivity. Cleaning will also ensure optimum electrical performance and, by regularly cleaning, you will maintain the original resistivity of the anti-static mat whilst extending its shelf-life.

IPA wipes, normal cleaners, Dettol or general cleaning products are **NOT RECOMMENDED** to be used for cleaning ESD mats. Using these products will shorten the lifespan of the mat and could compromise the electrical properties. To safely clean an ESD mat, we recommend using a mild, multi-purpose neutral cleaner that doesn't contain any alkali, ammonia or chemicals on RoHS and REACH SvHC. You should also opt for a cleaner that leaves no streaks or film. Generally, any ESD-safe mat cleaner should be safe to use on workstations, table tops and anti-static mats, including rubber and vinyl.

Grounding Information:

On touching the Anti-Static Grounding Mat any static in your body will be discharged through the top dissipative layer then passed down to the bottom conductive layer then out via the grounding cable and your UK (3 pin) grounding adapter. This will happen in less than a second.



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Anti-Static Grounding Bench Mat Information:

The dissipative top layer is textured and durable and can be easily cleaned and maintained. The conductive bottom layer provides a superior and consistent ground path. The Anti-Static Grounding Mat is quality tested with a professional 'ESD Surface Resistance Test Meter'. You cannot test this product with a Multimeter. **Material:** Synthetic rubber.

Thickness: 0.076 (2.00mm). **Hardness:** Per ASTM D2240. **Surface resistance (Rp-p):** $<10^{(9)}$. **Surface resistance (Rg):** $10^{(6)} - 10^{(8)}$. Scratch resistance. UV resistance.

The Anti-static Grounding Mats can take high temperatures. They can resist holds irons and hot paste; the rubber doesn't melt if in contact with hot metal parts and soldering debris. ESD products comply with IEC-61340-5-1 guidelines. Any colour or imperfections on surface are normal and created during mat production. They will not affect the conductivity or dissipative nature of the mat. Please always keep mat out of direct sunlight.

Grounding Adapter Information:

The UK (3 pin) Grounding Adapter must be only used for ESD control purposes. The adapter fits into the mains supply socket, making a connection with the Earth conductor only. In place of the live and neutral pins are moulded insulating plastic pins to allow positive location in the socket. It makes no difference if the wall switch is on or off only the Earth pin is used. The adapter is sealed and cannot be opened for repair. Contains a 1 meg-ohm safety resistor. High quality and made in the UK.

Anti-Static Wrist Strap Information:

The Anti-Static Wrist Strap is made with a premium crochet fabric band with an elastic ratio of 1:2.5" to 1:3". Outer surface is non-conductive and inner surface of the strap is conductive, lined with 5-rows of double-ply silver yarn. The conductive woven fibres are silver for maximum conductivity and minimum skin irritation. The metal back plate is made with hypo-allergenic jewellery grade stainless steel. The Anti-Static Wrist Strap has an interior cuff resistance of ≤ 100 kilo ohms at 7 to 30 volts dc open circuit and an exterior cuff resistance of ≥ 10 meg ohms at 7 to 30 volts dc open circuit. When stretched to 200%, the band returns to its normal length after 20,000 cycles. The fabric band is assembled to GO2 buckle, with flap and grip, and 10mm male snap connector.



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Grounding Cable Information:

Each cable contains a 1 meg-ohm safety resistor, the end with the 1M Ω embossed will contain the resistor.

Anti-Static Floor Mat Information (Large Kit Only):

The dissipative top layer is durable and can be easily cleaned and maintained. The conductive bottom layer provides a superior and consistent ground path to Earth.

Material: Synthetic rubber. **Thickness:** 2.50mm. **Surface Resistivity Upper Layer:** $10^{(6)}$ - $10^{(9)}$. **Surface Resistivity Bottom Layer:** $10^{(3)}$ - $10^{(6)}$. **Resistance To Ground:** Less than $10^{(9)}$. **Electrostatic Dissipation Time:** Less than $10^{(9)}$. Scratch resistance.

The Anti-Static Floor Mats are heat and solder resistant. The rubber material will not melt like other vinyl floor material. The rubber remains in its same form even in cold or warmer conditions. The ESD properties will not fluctuate. ESD products comply with IEC-61340-5-1 guidelines. Please always keep mat out of direct sunlight.

Anti-Static Brush Information (Large Kit Only):

The Anti-Static Brush has a strong, conductive polypropylene handle with a resistance of $10^{(4)\Omega}$ ~ $10^{(6)\Omega}$. The dissipative nylon fibre bristles have a resistance of $1 \times 10^{(8)}$ - $1 \times 10^{(10)\Omega}$. The brush is designed for the safe cleaning of PC boards, circuit boards, and other electronic parts. Ensures no harmful static charges build up when brushing. Uses corona discharge to dissipate charges. **Brush length:** 170mm. **Bristle length:** 40mm.

Please Note:

Beware the grounding cable can be a trip hazard; it is your responsibility to make sure any grounding equipment and grounding points that you are using are safe and free from any defects and ground correctly. If using a cable extension, please make sure it is a 3-core cable with an Earth. Do not modify any components within this kit and only use for which they are designed for. **Not suitable for children to use.**