



Installation for ESD Matta Carpet, Comfort & Ergo Interlocking Anti-Fatigue Mats

The purpose of an ESD protective floor mat is to provide and ESD dissipative material to:

- A. Remove from the operator any static charge.
- B. Provide an anti-fatigue surface that will not generate a Static Charge.

The Ground Zero Electrostatics, Inc. product is a dissipative material having a surface resistivity at least 1×10^5 but less than 1×10^9 ohms/square. Dissipative materials minimize the generation of static charges and will dissipate a charge slow enough tat a spark will not occur.

General Guide Lines.

For proper and safe grounding an ESD ground must be tied directly to and at the same potential as the building or "green wire" ground and the mat, using a grounding stud and a grounding cord with a 1Meg current limiting resistor installed.

Groundable Point Installation

- A. If the Mat run is less than 10 feet one grounding point will be adequate.
- B. If the Mat run is greater than 10 feet a grounding point should be installed every 10 feet.

Installation

There are several methods of installing ground cords. Ground Zero Electrostatics, Inc. recommends a "push and clinch" stud (see figure 1.) This type of snap is designed for use on soft type mats such as Ergo, Comfort, and Carpet Interlocking Anti-Fatigue mats and is available from Ground Zero Electrostatics, Inc. Use Part Number: **HW101-E**.

Figure 1.



To install, center the prongs as required and apply pressure to the snap until the prongs come through the back of the mat, then clinch over the prongs to secure the snap.

There are a variety of ground cords available to fit the stud in Fig. 1, however we recommend part Number: **FMGE-1-15-M**. This cord (see figure 2.) is installed by snapping into the 10mm snap and hard fixing to the common point ground as previously described.

Figure 2.

