

## Method Statement for Installing a Techloc ESD Conductive Floor

### Introduction:

Techloc ESD consists of either 7mm or 5mm thick interlocking tiles that can be dry laid over any hard surface. Techloc ESD complies with the latest European standard BS EN 61340. When installed in conjunction with a grounding kit and used with appropriate footwear, the tiles will provide an attractive and cost-effective ESD protected work surface. As well as offering a permanent solution to the problems caused by static discharge, Techloc ESD offers excellent durability and is very quick and easy to install.

### Grounding Guidelines:

The tiles can be used by themselves to provide an anti-static floor or in conjunction with grounding kits to make the floor conductive. To achieve a conductive floor surface, each tile must be grounded. This is achieved by laying conductive copper foil strips underneath the tiles. The copper strip then needs to be grounded. It is recommended that you have one grounding point per 30m<sup>2</sup> of Techloc ESD and/or one grounding point for each section of Techloc ESD.

### Working Method:

1. Sweep and vacuum the floor.
2. Lay the copper strips in parallel lines at 1m intervals down the longest length of the room from wall to wall. (see diagram 1)
3. Lay further strips of the copper foil at 90° angles and 5m intervals from your first grounding point across the shorter length of the room to form a grid.
4. Once you have formed the grid of copper foil, you can start laying tiles.
5. Starting from the center of the room, lay the first four tiles in a square ensuring that the interlocking joints are centered on the copper strip (i.e.: all 4 tiles are in contact with the copper). Work outwards from the center being careful to ensure that the interlocking joints stay in contact with the copper strips.
6. Cut the tiles to a straight edge, leaving a 5mm gap between any fixed object and the tiles to allow for expansion.
7. Connect the copper strip or the grounding plug to your building ground source.

