

ecotile ESD

Installation Guidelines

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Introduction

EcoTile ESD consists of 5mm or 7mm thick interlocking tiles that can be dry laid over any hard surface. EcoTile 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 ESD offers excellent durability and is very quick and easy to install.

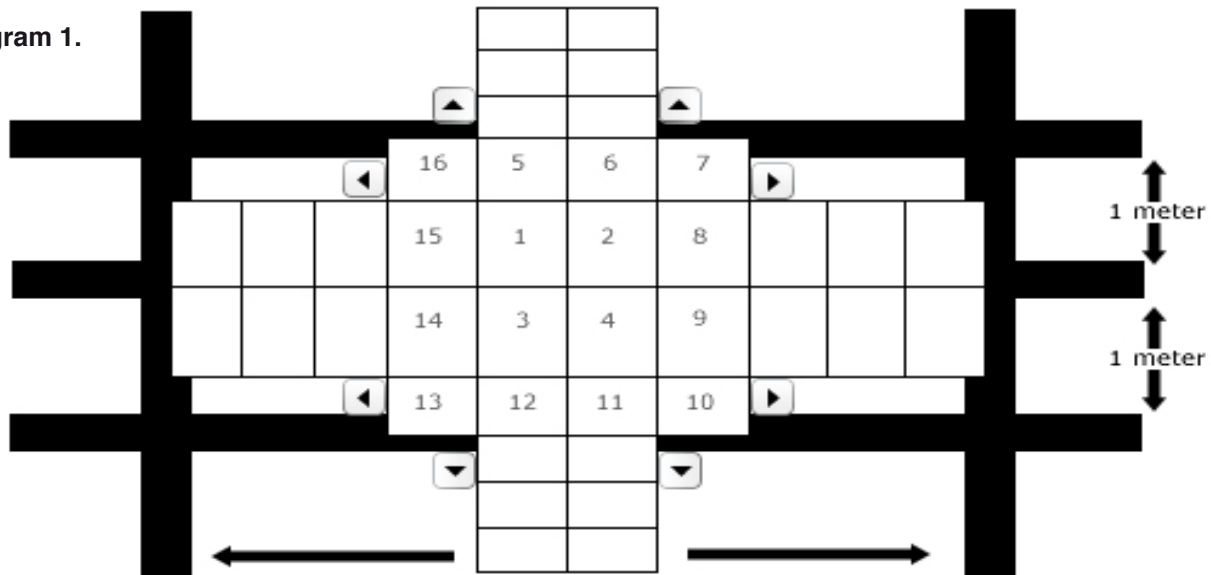
Earthing Guidelines

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 has to be earthed. This is achieved by laying the black Velostat tape underneath the joints of the tiles ensuring that the tape is half under each side of the joint and is therefore in contact with two tiles. The Velostat then needs to be earthed. It is recommended that you have one earthing point per 30m² of Ecotile ESD and / or one earthing point for each section of ESD.

Working Method

- Sweep or vacuum the floor, removing any high points in the floor and fill any holes with a rapid setting floor repair compound.
- Lay the Velostat strip in parallel lines at 1m intervals down the longest length of the room from wall to wall (see diagram 1).
- Lay further lines of Velostat at 90° at 5m intervals from your first earthing point across the shorter length of the room to form a grid. HINT: Use double sided tape to stick each end of the tape strip to the floor to stop it moving
- Once you have formed the grid you can start laying the tiles. Starting from the centre of the room lay the first four tiles in a square ensuring that the interlocking joints are centred on the Velostat strip (i.e. all 4 tiles are in contact with the Velostat) Work outwards from the centre being careful to ensure that the interlocking joints stay in contact with the Velostat conductive strip.
- Cut the tiles to a straight edge, leave a 5mm gap between any fixed point and the tiles to allow for expansion.
- Connect the Velostat strip to your grounding source and you have an ESD safe conductive floor!

Diagram 1.



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