

## Installation Guidelines

### Tough-Lock ESD

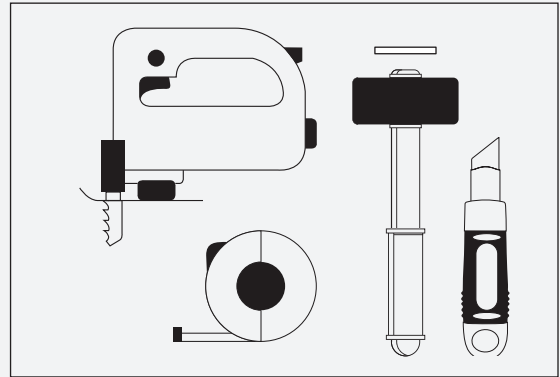
# Tough-Lock ESD Installation Guidelines

## Tools & Materials

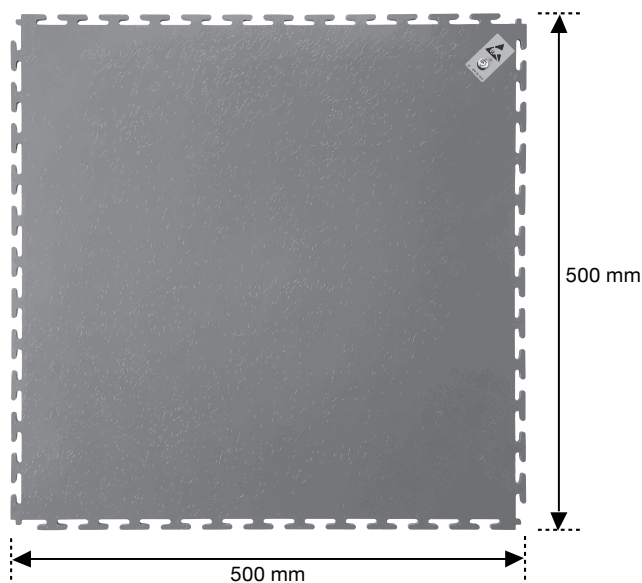
- Dead Blow Hammer
- Chalk
- Tape Measure
- Cutting Board
- Safety Utility Knife / Electric Jig Saw with a medium blade

### Materials

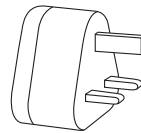
- Tough-Lock ESD Tiles
- Grounding kit:
  1. Grounding Plug
  2. Grounding Tape
  3. Floor Mat Ground Wire



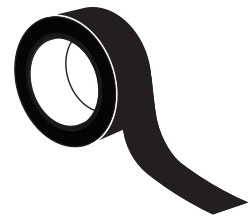
### Tough-Lock ESD Tile



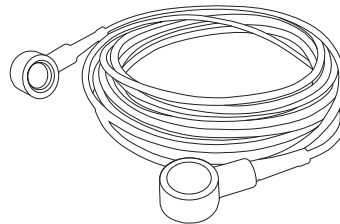
### 1. Grounding Plug



### 2. Grounding Tape



### 3. Floor Mat Ground Wire



## Preparation

For best results it is advised to install Tough-Lock ESD tiles on a level and clean floor. Simply follow these simple steps to achieve a durable, clean and adaptable flooring finish in your chosen area:



### Clean

Sweep the existing floor to ensure that the surface is clean and free of dust and dirt.



### Temperature

We advise that Tough-Lock ESD tiles are laid in areas that have an ambient temperature between 16°C-24°C (**Let the tiles acclimatise for at least 24-48 hours before laying**).



### Surface check

We recommend using a self-leveling repair compound in areas where there's variations in subfloor surface. If not addressed, floor tiles may 'dislocate' at the connection interlocks (The smoother the subfloor is the more even and resilient your Tough-Lock ESD tile floor will be).



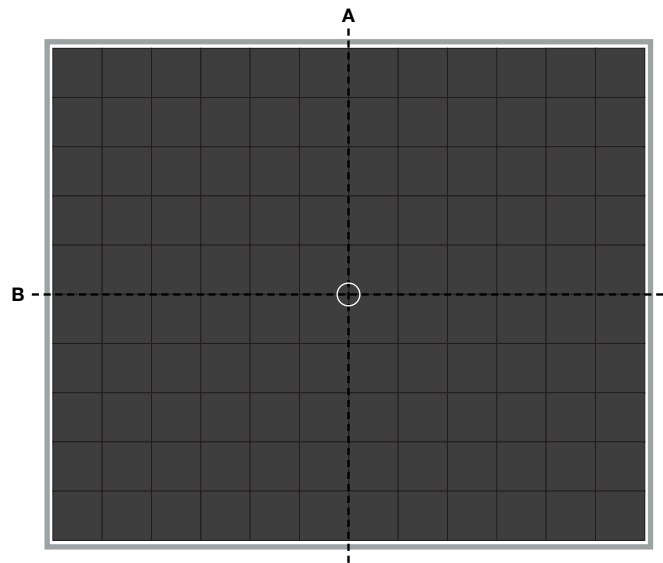
### Humidity

Relative humidity in the room should not be more than 60% (ideal 30% to 60%).

## Fitting Instructions

1. Measure the length & width of the room and divide the dimensions in two - then locate & mark the centre of the room.
2. Draw a chalk-line --- through the start point to create lines A + B. This is to act as a guide for keeping tiles parallel to the walls. To ensure the line is parallel to the walls, measure out from the wall near each end of the room, mark the points on the floor and draw the chalk-line between the points.
3. You can at this point check the number of tiles required to reach the walls in each direction. Remember you can cut the tiles to fit around the edges of the room.

**It's very important to leave approximately 5mm expansion gap between the tiles and any walls/fixed points for expansion. Sometimes for larger areas a bigger gap may be required.**



1

Diagram illustrating the initial layout of the grounding tape. A vertical dashed line is labeled '5m' and a horizontal dashed line is labeled '1m'. A person is shown kneeling and laying the tape.

Begin by laying down the grounding tape as shown on the diagram. It should be laid to run under the joints of every tile in one direction. Vertical lines should be placed through the middle of the joints every 5m. This must be done correctly to achieve complete ESD.

2

Diagram illustrating the installation of tiles. A grid of tiles is shown with a central circle and dashed lines A and B. Numbers 1-12 are placed in the center tiles. A person is shown kneeling and laying the tiles.

Install the tiles as normal, ensuring that the grounding points are fitted (one every 60-80m<sup>2</sup>).

Start by laying the tiles in the center of the room. With all 4 corners of the first 4 tiles meeting with the centre mark.

Place the grounding point (X) in the corners of the room or along the wall to avoid creating a trip hazard.

3

Diagram showing two people cleaning the floor. One person is standing and sweeping, and the other is kneeling and cleaning.

Ensure that you clean the floor after installation to ensure the correct values are recorded in conductivity tests.

If the existing floor has already been grounded, insulation of the floor is necessary.

4

Diagram showing the attachment of the floor mat grounding wire to a stud and a 3-pin socket.

Attach the floor mat grounding wire to the studded grounding point. Attach the grounding plug to the other end and then insert the plug to a 3 pin socket.

### **Finishing off**

The 5mm gap between the tiles and fixed points can be sealed with an acrylic putty or silicone sealant from a glue gun. Please wipe off excess sealant immediately with a damp cloth.

### **Doorways**

In doorways, an edging tile can be used if tiles are to meet a different floor covering. If the tiles are to continue through a doorway, no edging is required but the tiles in the doorway should be adhered with glue.

### **Cleaning and maintenance**

Tough-Lock ESD floors can be cleaned and maintained easily using a damp mop, preferably using a pH balanced floor cleaning product. (Tough-Lock ESD floors can easily withstand cleaning using an industrial rotary mop). For best results give the floor a light clean on frequent occasions.

## **Tough-Lock ESD Warranty**

**For a period of one year from the date of shipment, COBA Europe makes the following warranty, subject to the terms & conditions specified here for all Tough-Lock ESD interlocking PVC floor tiles.**

Tough-Lock ESD products will conform to contract description with only such reasonable variation as is acceptable in the trade. It is fit for the ordinary purposes for which the product is used and it will be adequately packaged and labelled.

COBA Europe will replace any defective product at no charge if the defect is found prior to installation. If the customer believes the product to be defective after installation, the customer must promptly notify COBA Europe and permit an inspection of the product. If upon inspection we determine the product to be defective, subject to the limitations contained in the warranty, COBA Europe will replace the defective product at its cost in the affected room or area.

COBA Europe provide a warranty in relation to the wearability of Tough-Lock ESD (High Performance Polymer interlocking floor tile) for 25 years from the date of installation. If dissatisfied with the wearability, the customer must allow a company representative to inspect of the flooring. If the original flooring is worn through the wear layer, and the flooring has been properly installed & maintained, COBA Europe will replace the worn out flooring at its cost in the affected room or area, subject to a pro-rated discount charge to the customer for the age of the flooring.

To be eligible for replacement under either of these warranties, the customer must give COBA Europe written notice of any claimed defect immediately upon learning of the defect and in no event more than 90 days after the claimed effect is discovered.

**Notice shall be given to COBA Europe at its corporate address - 5 Marlborough Dr, Fleckney, Leicester LE8 8UR.**

### **Excluded from warranty**

- The exact matching of shade, colour or matting.
- Any express or implied promise made by any sales person or representative.
- Tears, burns, cuts or damage due to improper installations, improper use or improper cleaning agents or maintenance methods.
- Labour costs for installation of original or replacement material.
- Problems caused by moisture, hydrostatic pressure or alkali in the sub-floor.
- Problems caused by uses, maintenances & installation that is contrary to COBA Europe specifications, recommendations or instructions.
- Material installed with obvious defects.
- Installation with adhesive other than those recommended by COBA Europe.
- External installations.
- Fading and/or discolouration resulting in heavy sunlight penetration and ultraviolet ray exposure from direct or glass filtered sunlight.
- Tough-Lock ESD is not installed and maintained as recommended by COBA Europe.

### **Disclaimer**

These methods of installation make no claim to being comprehensive but should be used as a guide. Always employ safe practices. A risk assessment and method statement should always be prepared.

### **If in doubt please contact us:**

**Call:** +44 (0)116 240 1088 or **email** [sales@coba-europe.com](mailto:sales@coba-europe.com)