

# StatLock

## Interlocking ESD Rubber Installation Instructions

### Prior to Installation

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1. Check deliveries for compliance with order confirmation.
2. All flooring products and accessories must be stored off the ground in the environment in which they will be installed for a minimum of 48 hours prior to installation. The environment shall be a weather-tight enclosure. Temperature shall be maintained for 48 hours before installation, during installation, and 72 hours after installation.
3. Minimum ambient temperature: 50°F
4. Minimum substrate temperature: 50°F

Before installing the flooring, it is a good idea to inspect it and identify any problems with the appearance. If there are visible defects, please contact Staticworx and speak with a representative prior to installing the flooring.

#### **Specification Requirements of Conductive Flooring:**

It is the responsibility of the architect, end user client, and/or contractor to indicate the applicable static control requirements in the product specification.

#### **Test Methods for ESD Properties of Resilient Floor Coverings:**

ANSI/ESD S 7.1 (resistance)  
ANSI/ESD STM 97.2 (walking body voltage)

### Joint Treatment

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Concrete control joints should be thoroughly cleaned and filled as needed using a standard leveling compound (per manufacturer's instructions) prior to installing the flooring.

### Subfloor Preparation

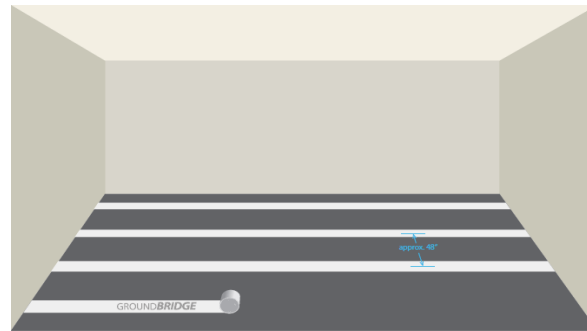
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Prepare the subfloor by cleaning it, removing or repairing any noticeable imperfections, and removing any waxes or polishes. Patching and large depressions in the subfloor shall be leveled as needed prior to installing the flooring.

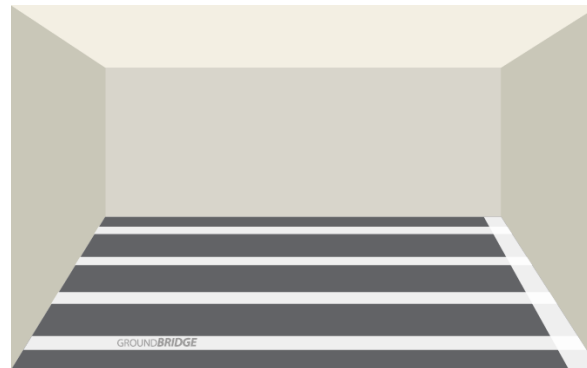
## Install GroundBridge Conductive Underlayment

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- a. Available in 14" wide rolls, lay the GroundBridge underlayment out in strips parallel with the room's longest dimension. The strips should be spaced approximately 36 inches apart (48 inches on center) so they are positioned underneath every other seam, thereby making contact with every row of 24in interlocking tiles.



- b. Finish installing the GroundBridge underlayment by positioning one strip of GroundBridge along one edge of the room that runs perpendicular to the previously installed strips. This strip will connect all of the ends of the strips, creating a unified ground plane above the subfloor.



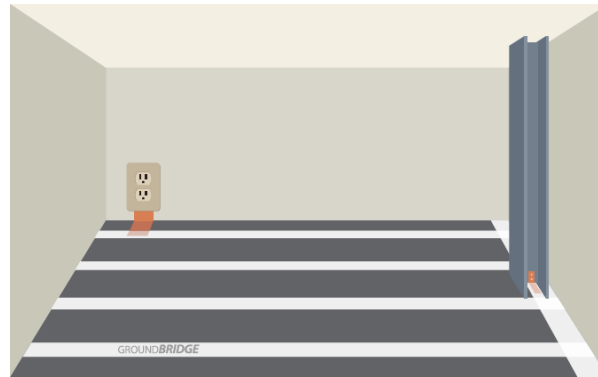
## Grounding the GroundBridge Conductive Underlayment

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GroundBridge needs to be properly grounded by using strips of 24in copper tape. Copper strips need to be installed at a frequency of 1 copper strip for every 1,000 sq. ft. of floor space (or one strip of copper tape per room in smaller spaces). At least 2-3 inches of copper strip should contact a GroundBridge strip. The copper tape has a self-adhesive backing to hold it in place.

Option 1: Install copper strip by attaching one end to a grounded electrical outlet.

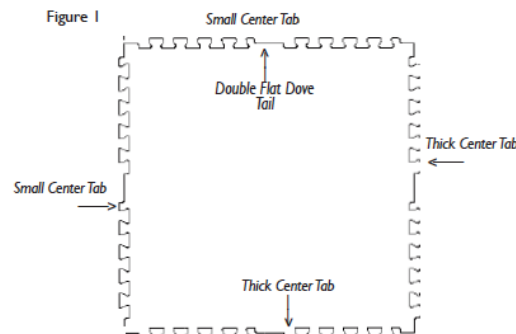
Option 2: Install copper strip by attaching one end to a grounded metal structure such as an I-beam.



## Install StatLock Interlocking Tiles

### 1. Identify the Intended Top from the Bottom

Holding the tile in front of you, note that in the center of each of the four sides is a flat double dovetail. On two of the sides, the tab extending out from this flat double dovetail are thin and the tabs on the sides are thick. The orientation of these four tabs is important (see figure 1 below). First flip the tile from front to back so that when you look at the double flat dove tail on the top the tab is extended on the left. Then rotate the tile until the two small center tabs are at twelve o'clock and nine o'clock (see figure 1). Repeat this process with each tile so that the orientation of these center tabs is the same for all tiles.



### 2. Decide your intended layout

StatLock tiles may be laid in straight rows and columns or in a brick pattern offsetting either the rows or the columns by 50%. Since the seams do not ordinarily show, it is unlikely that after the tiles are installed that you will be able to detect which pattern was chosen. There is some locking benefit to the offset brick pattern.

### 3. Snap Center Lines

Begin by measuring the length and width of the room. Divide the distances as measured in inches by the width of the tile (28.5" or 22.5" measured from the inside tab on one side to the outside tab on the opposite side). This will result in the number of full tiles plus a partial tile. Snap a center line for the width of the room such that the partial tile on either side of the room is no less than 6" wide. Repeat this for the length of the room.

#### 4. Lay Tiles

Place the first tile at the center of the room where the two lines you snapped in Step Three intersect. Place the tile such that the inside of the dovetail is aligned to both the width and length line. Refer to Step One for proper tile orientation. Place the second tile on the opposite side of one of the lines. Position the tile such that the pattern of the two small center tabs (two large and two small) are in the same relative positions as the first tile. Align the dovetail patterns and press together with your thumbs. Complete the process by hitting the seam area with a rubber mallet. The third tile may be positioned either with the inside of the dovetail aligned to the other line aligning with one of the tiles, or such that 1/2 of the tile locks with the first tile and 1/2 locks with the second tile. Remember that with every tile you must repeat the relative position of the center tabs (two large and two small). Continue laying tiles in all directions until there is not enough room to lay any more full tiles within the space to be filled. There should be a space of at least 6" on all four sides of the room.

#### 5. Trim to Fit Room

Beginning in one corner, first measure from the wall to the inside dovetail pattern at each end of the tile. Then measure from the corner of the wall to the center of the edge of the tile. Position the tile such that the corresponding edge will align to the edge to be fitted and trim to fit the space from the corner to the center of the tile and to the wall or edge. Maintain a 1/4" gap between the edge piece and the wall to allow for expansion. Save the remaining piece to fit to the opposite wall. Continue around the room, measuring and fitting each piece and allowing for a 1/4" gap for expansion. Finish with molding or 1/2" quarter round molding.

#### **Cutting:**

This procedure works best when using a non-retractable utility knife. When using a utility knife, be sure to keep the blades sharp to aid in the cut, and help reduce the possibility of injury due to dull blades.

1. Mark the mats you will need to cut with chalk or a chalk line.
2. Put your straight edge on the corresponding marks you have placed on the mats.
3. Holding the straight edge firmly in place, score the mats two or three times\*\*
4. Grab the mat close to the score line, lift and bend the mat toward you. The score line will "break open".
5. Make several more passes with the knife, working down the established cut, until the cut is complete.

\*\*This process may be made easier by cutting the mat on a raised surface such as the 2x4 wood block used during installation. Gravity will depress the cut.

#### **Waste Disposal:**

Remove all excess waste and materials from the work area. Dispose of all refuse in accordance with federal and local statutes

## Initial Use

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- The floor may accept normal walking traffic immediately after the installation is completed.
- To move furniture/equipment, lay Masonite panels or Ram Board to distribute the load.

## Maintenance

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- **Wait at least 24 hours** after the floor has been installed before cleaning it.
- Remove dust and debris using a broom or vacuum cleaner.
- Clean the floor with a scrubber drier using a pH-neutral ESD floor cleaner.
- Rinse with clean water to remove all traces of the floor cleaner and allow to dry.
- **Note: Do not use an excess of water on the floor to prevent water from penetrating between tiles.**
- Contact Staticworx for information regarding approved cleaning methods, chemicals, etc.

## Quality Assurance & Warranty

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1. Staticworx™ ESD interlocking tile is warranted for a period of two years to be free of defects in material and workmanship if installed, maintained, and used strictly in accordance with Staticworx written instructions.
2. The warranty is expressly limited to the synthetic flooring materials supplied by the manufacturer. The warranty does not cover damage caused by fire, winds, floods, moisture, chemicals (other than those used for maintenance specified by manufacturer) nor does it apply to damage caused by ordinary wear, misuse, abuse, neglect, faulty building construction faulty subsurface or site preparation, or unprofessional installation.
3. Resistive properties warranty: Lifetime (contact Staticworx for information reading exclusions based on improper maintenance, usage, etc.)
4. Installer shall be liable for all matters related to the installation of the products described herein for a period of not less than one year from the date of installation.
5. All warranty claims must be submitted, in writing, within five (5) days of the discovery of any defect. Status of claims will be based on complete inspection of installation. All claims not submitted in writing and received by Staticworx within the time period specified above shall be waived. The warranty begins upon receipt of the material by the customer and continues for the warranty period set forth above so long as the product is maintained in accordance with Staticworx maintenance guidelines.