

GROUNDING INSTRUCTIONS FOR CONDUCTIVE FLOORS

Non Access Floor Grounding Instructions

Warning: *Foil strip has sharp edges – wear gloves when assembling.*

A common method for grounding a non-access floor conductive or dissipative flooring system to a building is through an existing AC electrical outlet. Instructions for this are as follows:

Caution: Use only properly grounded electrical outlets that have been previously tested using an approved circuit tester complying with UL or CSA standards.

Equipment Checklist:

- Screw drivers: phillips and standard.
- 24 inch copper grounding strip
- StaticSmart ESD flooring
- StaticSmart Conductive adhesive.

NOTE: Julie Industries recommends installing one copper grounding strip for every 1,000 square feet of installed ESD flooring. Individual rooms should also have at minimum one copper grounding strip installed.

Installing Copper Ground Strip.

1. Shut off power to outlets at the main circuit breaker panel.
2. Test outlet to be sure it is not active, or “live”.
3. Remove the face plate cover of AC outlet by removing the center screw using a standard head screw driver.
4. Remove the screw from the lower mounting tab (most outlets will have tabs at the top and bottom for flush mounting purposes, these typically have 2 small ‘ears’ and a mounting screw in the middle.)
5. Punch a small hole in the copper grounding strip provided with your StaticSmart ESD flooring order.
6. Insert lower mounting screw (which was removed in step 4) through the hole in the copper grounding strip and secure the strip to the outlet by reattaching the mounting screw to and pulling the outlet back flush with the wall.
7. Run the copper ground strip down the wall to the sub floor and roll out. The copper grounding strip should extend out enough so that it will establish contact with the installed esd flooring a minimum of 2 inches.
8. Cover copper grounding strip on the sub floor with StaticSmart conductive adhesive and begin installation of StaticSmart ESD flooring according to installation guidelines provided by Julie Industries. If desired, the copper grounding strip may be covered by wall base to provide a more finished installation look.
9. Reattach the AC outlet cover with screw and turn on the circuit breaker at panel.

Questions/Assistance

For technical assistance or questions about installing or grounding your StaticSmart ESD Carpet tile floor, please contact our Customer Service desk at (978) 276-0820, Monday through Friday 8:30am - 4:30pm EST.

Figure A: Grounding esd floor using standard AC outlet

