

staticworx[™] Reference

Instructions for Grounding Conductive & Static Dissipative Flooring

Grounding Conductive and Static Dissipative flooring to an AC electrical outlet is the easiest and most common grounding method.

Caution: Only use electrical receptacles/outlets that have been previously tested using an approved circuit tester complying with CSA and/or UL standards.

Required materials: Screw driver, 24-inch copper grounding strips, ESD flooring, conductive adhesive.

Note: One copper grounding strip should be installed for every 1000 square feet of ESD flooring. Each room should have at least one grounding strip.



Step 1.

Remove center screw on cover of AC electrical outlet using a screw driver.



Step 2.

Locate and remove grounding screw inside AC electrical outlet.



Step 3.

Punch small hole in 24" copper grounding strip provided with ESD flooring. The hole should be smaller than the head of the screw removed in Step 2.



Step 4.

Secure copper strip to the AC electrical outlet with the same screw removed in step 2.



Step 5.

Allow 24" copper strip to run down wall to sub floor. Fold copper at 90 degree angle at point where the wall meets the floor. Lay remainder of copper strip flat on sub-floor. At least 2 inches of copper should contact the floor.



Step 6.

Cover copper strip on floor with conductive adhesive and new StaticWorx ESD Flooring. For a cleaner installation, copper can be covered by wall base.



Step 7.

Finish installation by re-attaching AC outlet cover with screw removed in step 1.

(continued on other side)

Testing Electrical Outlets

A Ground Plug Adapter is equipped with three indicating lights. The ONLY indication that is acceptable for Ground Plug Adapter use is with the two outer "CIRCUIT OK" lights energized, i.e., Lights #1 and #3 ON, Light #2 OFF.

The circuit is OK when...

Light #1

color: (yellow)

condition: **ON**

Light #2

color: (red)

condition: **OFF**

Light #3

color: (clear)

condition: **ON**

NOTE: If any other condition exists, do not use the receptacle or the Ground Plug Adapter until tested and approved by a qualified electrician. Examples of wiring defects are not limited to the conditions described below.

1. OPEN GROUND WIRE – The equipment grounding conductor is not complete.
2. REVERSE POLARITY - The hot and the neutral circuit conductors are reversed.
3. OPEN HOT WIRE - The hot circuit conductor is open from a blown fuse, tripped circuit breaker, switch off, broken wire, etc.
4. OPEN NEUTRAL WIRE - The neutral circuit conductor is open.
5. HOT AND GROUND REVERSED - The hot circuit conductor and the grounding conductor are reversed.
6. HOT ON NEUTRAL AND HOT OPEN - The hot circuit conductor is connected to neutral terminal and the hot terminal is unwired.



Any electrical outlet can be tested using a ground plug adaptor.



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