



Titanium Series ESD Flooring

Care and Feeding for your ESD Floor

PRODUCT OVERVIEW: Titanium Series ESD flooring is used to control static electricity. Unlike many ESD tiles and sheet goods Titanium contains electrically dissipative elements that evenly dispersed throughout the entire thickness of the material and interact with a full surface electrically conductive backing. As such, Titanium maintains permanent static control properties that last a lifetime. Titanium does not require a static dissipative floor finish for its conductivity but these are often used to increase the shine, improve scuff mark resistance and fill minor voids between the tiles. Dirt is the enemy of any ESD flooring material as it will raise the insulative properties of the flooring.

Titanium is manufactured with a hard, wear resistant, semi-gloss, anti-slip top surface securely bonded to a black, full surface static conductive backing. This combination provides unparalleled wear resistance with a > 20 year life expectancy and a Lifetime Warranty on Electrical Conductivity. The static conductivity of Titanium may be compromised by the excessive build-up of contaminants such as dirt and dust or by the application of inappropriate floor finishes. As such it is important to properly clean and maintain the flooring system by following the procedures and methods as listed below.

OVERVIEW: All Static Control flooring requires cleaning and maintenance. The frequency with which they must be cleaned is dependent on the amount of traffic, the cleanliness of the facility and the type of manufacturing that the product will encounter on a daily basis. The following general guidelines will cover the majority of applications. Frequency of the procedures may be modified to suit the environmental conditions your flooring may encounter.

GENERAL: Whenever possible use walk off mats at entrances and doorways to help reduce the amount of abrasives from dirt and grit. Metal chair casters and wheels are not recommended for use with ESD flooring. Nylon or soft rubber chair casters and wheels are acceptable but must be kept clean and free of embedded detritus.

INITIAL MOVE IN: Protect your esd flooring investment during the initial loading phase. Cover the newly installed ESD flooring with Ram Board, Masonite or thick cardboard sheets prior to rolling over the new substrate with heavily loaded forklifts, man lifts etc. Remove nuts, bolts, rocks, nails etc. from the wheels of heavy equipment prior to rolling over the protective coverings.

INITIAL MAINTENANCE: Initial maintenance should not be performed for a minimum of 1 week after the installation is complete to allow the adhesive to fully

cure. Careful installation will avoid the transfer of conductive adhesive to the top of the flooring. Should your installation have adhesive that has oozed between the seams to the top of the flooring remove while wet with a soft cloth or sponge dipped in a mixture of hot water and [ElectraClean](#) diluted to a ratio of 8 ounces of [ElectraClean](#) to a gallon of water.

Conductive adhesives from United SCP remove easily prior to drying but are much harder to remove if left unattended and allowed to cure overnight.

Dried adhesive that has formed on top of the tiles may require the use of a safety solvent. Pretest a small area to insure the solvent does not harm the tile. Cleaners containing glycol ethers (such as 409 and Soft Scrub) have been shown to be somewhat effective. Use liquids sparingly and do not over apply. Insure that the area is dry once the cleanup is completed.

DAILY: Sweep using a soft bristle broom followed by a dry dust mopping. Initially use only new brooms and dust mops. Isolate these tools and use them ONLY on your ESD flooring. Do not allow them to contact oils, grease nor other contaminants that may be transferred to the ED flooring and compromise the electrical conductivity.



Titanium Series ESD Flooring

Care and Feeding for your ESD Floor

AS NEEDED: Damp Mop the flooring with ElectraClean to remove abrasives. Sweep and dust mop prior to washing to remove loose dirt and soil. For use in weekly damp mopping, use a dilute solution of 8-10 ounces of ElectraClean per gallon of warm water. Using a clean high quality mop and a mop bucket with a ringer, dip the mop into the bucket and ring out excess. Mop the floor lightly, rinse mop in fresh solution repeatedly. Exchange dirty damp mopping solution with clean solution as needed. **NOTE: Do not flood the floor.** ElectraClean may also be used in auto scrubber applications. After application allow the floor to dry thoroughly. Do not rinse. For heavier soil conditions: Dilute 12 -16 ounces of cleaner per gallon of warm water and use as a mopping solution. **NOTE: Never use plain water to damp mop an ESD floor.**

THE USE OF ESD FLOOR FINISH: ESD floor finish is not required for Titanium ESD Flooring but is beneficial in providing a sacrificial coating that reduces the effort required to remove scuff marks and dirt. Use only ElectraGlaze ESD Floor finish should you desire this protection. ElectraGlaze is specifically designed for use with Titanium ESD flooring. Apply ElectraGlaze in 2 very thin coats **ONLY**.

Two thin coats of ElectraGlaze will not substantially increase the floor's insulative properties assuring easily compliant static control protection.

ElectraGlaze provides an increase in slip resistance and shine while filling in micro voids between the tiles or in the heat welded seams of the sheet vinyl making the floor easier to keep clean.

ElectraGlaze may easily be removed and reapplied should ground in dirt begin to dull the finish. The typical life span of the ElectraGlaze coating is one or two years.

ADDITIONAL NOTES:

Direct Sunlight: Titanium contains limited UV protection due to its requirements for electrical conductivity. Exposure of Titanium to direct sunlight at temperatures over 100 degrees may alter the dimensions and cause surface fading. Protect accordingly with drapes or blinds drawn over windows during peak hours of sunlight.

Throw Rugs: Some types of throw rugs are backed with latex that may harm the finish of Titanium flooring. Ensure that the rug supplier provides a non-stain warranty prior to using throw rugs with ESD flooring.

Stains: Certain materials will stain any resilient flooring. These materials include lipstick, some solvent type fluids, paste wax, fresh asphalt paving, some rubber matting, some rug padding and paint pigmentation used on exterior concrete. Dark colored asphalt tile located adjacent to or near ESD vinyl tile flooring may cause the tracking of its color onto the vinyl. United SCP Flooring must be adequately protected from contact with such materials since many of these stains are difficult to impossible to remove.

Stiletto and High Heels: The extremely high forces exerted by stiletto or high heeled traffic may exceed the dynamic load carrying capabilities of ESD tiles and sheet vinyl (exceeds >1,000 psi). United will not accept claims for damage caused by this type of traffic.

Document History:
Initial Release: 2.12.2012 SRC
11.20.22: Confirmed accuracy, font change,
new header and logo. SRC