



TITANIUM ESD TILES & SHEET VINYL ESD Floor Tile & Sheet Vinyl Maintenance



PRODUCT OVERVIEW: Titanium ESD Flooring is a product designed with a specific range of electrical conductivity and is used in environments where static control is desirable. The uncontrolled discharge of static electricity can wreak havoc on some electronic components and is detrimental to static sensitive assemblies and powder formulations (such as the case in pharmaceutical and munitions manufacturing). Titanium is provided in a sheet vinyl and in a tile form.

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. Wire clippings, metal shavings, nuts, bolts, sanding abrasive etc can get ground into all types of flooring by chair casters and may cause deep scratches. Should this type of traffic be an ongoing issue United SCP recommends the use of [Titanium 40220 HSB](#) conductive chair mats to protect the flooring. 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 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 72 hours 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 this may be removed 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. The adhesives remove easily prior to drying but are much harder to remove if left unattended and allowed to cure overnight. Use liquids sparingly and do not over apply (especially so with the tile version of this product). Insure that the area is dry once the clean up 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 esd flooring and hinder it's outstanding conductivity.



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EVERY WEEK OR TWO: 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. 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.

MONTHLY OR AS NEEDED: High speed polish using ElectraShine and a high speed polisher to remove light scuff marks and scratches. ElectraShine may be mopped on prior to polishing or used as a spray buff to keep the polishing pad cool. Propane polishing is acceptable as is high speed (1,500 rpm or higher) electric polishing machines. Move the polisher briskly during the operation. Do not allow the pad to heat the esd flooring. Use the lightest pad available that is effective for your scuff marks. White and Champagne colored pads are recommended and generally effective for light scuff marks.

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. Typical life span of the ElectraGlaze coating is one year. Please see "how to maintain an esd floor" for full application techniques and tips should your needs require the ElectraGlaze process.

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.