



Diamapro® ESD Floor System

Maintenance Requirements

DPESDM – 100-01

Cast in Place Standard Concrete/Concrete Raised Access Flooring

SYSTEM OVERVIEW:

Your new **Diamapro® ESD Floor System** has been formulated to provide you the protection you require against electrical static discharge. To maintain the high level of performance you expect, the system must be maintained correctly and with the appropriate chemicals.

The static conductivity of **Diamapro® ESD Floor System** may be compromised by the excessive build-up of contaminants such as dirt and dust or by the application of inappropriate floor maintenance chemicals. It is important to properly clean and maintain the flooring system by following the required procedures and methods 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 service that the product will encounter daily. The following general guidelines will cover most 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 that enter the protected area. Wire clippings, metal shavings, nuts, bolts, sanding abrasives etc. can get ground into all types of flooring by foot traffic, chair casters and may cause scratches. Should this type of traffic **Diamapro® Systems** 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 ESD chair casters and wheels are acceptable but must be kept clean and free of embedded debris.

INITIAL MOVE IN:

Protect your ESD flooring investment during the initial move-in phase. Cover the newly installed ESD flooring with brown construction paper prior to rolling over the new substrate with heavily loaded pallet jacks, man lifts etc. Remove nuts, bolts, rocks, nails etc. from the wheels of heavy equipment prior to rolling over the flooring. The initial installation of the system had a uniform, continuous film. During the move in step, the floor must remain the same to insure proper performance.

NOTE:

Coated substrates should be vacuumed periodically to remove dirt and dust particulates that may accumulate between seams, cracks, expansion joints and saw cuts.

DAILY:

Initially use only new soft bristle brooms and dry dust mops labeled as such. Isolate these tools and use them **ONLY** on your newly installed ESD flooring. Do not allow them to contact oils, grease nor other contaminants that may be transferred to the ESD flooring. Sweep the area using a broom followed by a dust mopping. **DO NOT USE ANY TYPE OF SWEEPING COMPOUND.**



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WEEKLY:

Sweep the area using a broom followed by a dust mopping. Damp Mop the flooring with a diluted solution of **Diamapro® ESD-Clean** and water to remove abrasives. For use in weekly damp mopping, use a diluted solution of 8-10 ounces of **Diamapro® ESD-Clean** 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. Rinse the mop in fresh solution often and exchange the dirty damp mopping solution with clean solution as needed. **Diamapro® ESD-Clean** may also be used in auto scrubber applications fitted with a soft white pad by adding 8-10 ounces to every gallon of water. 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

Never use plain water to damp mop an ESD floor.

AS NEEDED TO RETAIN GLOSS AND REMOVE SCUFF MARKS:

High speed polish using **Diamapro® ESD-Shine** and a high-speed burnisher fitted with a white pad to remove light scuff marks and scratches. **Diamapro® ESD- Shine** may be used as a spray buff to keep the white pad cool. Propane burnishing is acceptable as is a high speed (1,500 rpm or higher) electric burnishing machines. Move the burnisher briskly during the operation. Do not allow the pad to heat up the ESD flooring.

Diamapro® ESD-Finish may easily be removed and reapplied should ground in dirt begin to dull the finish. Typical life expectancy of the **Diamapro® ESD-Finish** is one to two years depending on use. **Diamapro® ESD-Strip** must be used to remove the **Diamapro® ESD-Finish** and no other “wax” strippers.

ADDITIONAL NOTES:

Direct Sunlight: **Diamapro® ESD Floor System** contains limited UV protection due to its requirements for electrical conductivity. Exposure of **Diamapro® ESD Floor System** to direct sunlight at temperatures over 100° F may alter the clarity of the product 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 **Diamapro® ESD Floor System**. Ensure that the rug supplier provides a non-stain warranty prior to using throw rugs with ESD flooring.

Stains: Certain materials will stain any ESD flooring including **Diamapro® ESD Floor System**. Some materials include lipstick, solvent type fluids, paste wax, asphalt paving, rubber matting, and rug padding. Dark colored asphalt tile located adjacent to or near **Diamapro® ESD Floor System** may cause the tracking of its color onto the finished floor.