

Maintenance Procedures for ESD Programs

Improper maintenance procedures can be catastrophic to your ESD program. Regular everyday cleaners not specifically manufactured for ESD surfaces can leave a film that will insulate the ESD surface and create a static charge. Most complaints of surfaces not reading in the proper conductivity range can be traced back to improper maintenance. The implementation of a proper ongoing maintenance program is critical to your ESD program.

ESD Floor Finish

- Daily Maintenance is accomplished with *Stat-Les Cleaner*, a concentrated, non-ionic, neutral pH detergent designed to clean and retain the natural ESD reading.
- Use at only one to three ounces per gallon of water.
- Damp mop the area and do not rinse. If floor is extremely soiled, re-apply using a clean use dilution of *Stat-Less Cleaner*.
- Use an Auto Scrubber for larger areas.
- Connect to an automatic dilution center for accurate measurements.
- Repair and maintain with *Stat-Les Spray Buff*.
- Remove finish with *Stat-Less Stripper*.

ESD Coatings

- Consider using a ESD Floor Finish
- Daily maintenance is accomplished with *Stat-Les Cleaner*.
- Heavy duty cleaning is best accomplished with *LegClean*, an all-purpose, non-insulating cleaner.
- Repairs to high traffic areas and damaged areas are accomplished with a heavy duty cleaning, a thorough drying time, and a recoat in the affected area.

ESD Bench Tops, Chairs, Matting, and Laminates

- All ESD surfaces including laminates, matting, bench tops, etc. need to be cleaned on a regular basis to maintain resistance readings.
- *Stat-Les Cleaner* is recommended for all surfaces
- *Conductive Cleaner* is a convenient, ready-to-use cleaner. It enhances the static discharge capabilities of the surface by leaving behind a slight, non-film forming ESD residual - helping to maintain the surfaces' ESD properties.
- Dirt will insulate these surfaces and must be removed regularly.

NON-ESD Surfaces

- *Conductive Cleaner* may be used on non-ESD surfaces to create a static dissipative surface.
- *Statico* is a ready to use, topical anti-stat. Creates a longer lasting static dissipative surface. Cleans as it treats the surface. Available for food contact areas, *Statico #2* meets FDA Title 21, par. 178.3130 for N, N-Bis (2 hydroxyethyl) dodecanamide, an antistatic agent intended for contact with honey, chocolate, liquid sweeteners, condiments, flavor extracts, and liquid flavor concentrates, grated cheese, light and heavy cream, yogurt and any food type that is a dry solid with the surface containing no free fat or oil.
- *Statico AE* is recommended for carpets and fabrics -- chairs, couches, etc.

Application Tips

Use an automatic proportioning system to get exact dilution every time. A Proportioners will save time, labor, and money by automatically diluting the proper amount of concentrate.

Consider using an auto-scrubber for maintenance. This machine will put the proper amount of cleaning solution on the floor, agitate and pickup the residual in one pass.

For added protection, durability and ease of maintenance consider applying an **ESD Floor Finish. Stat-Less (24% or 18%)** Formulated with conductive polymers to both reduce tribo-electric charging and create a static dissipative surface. Use on floors to create a static dissipative surface (10 - 10⁻⁹ ohms). It may also be used to protect static dissipative tiles without affecting readings and provides an excellent gloss to any surface. Metal cross-link, acrylic copolymers, provides excellent durability in any interior environment. Stat-Less is easy to apply with a mop and is easily removed with Stat-Less Stripper and maintained with the Stat-Less System below.

Note: With newly installed vinyl composition tile (VCT) thoroughly clean the new floor to remove dust and debris from the manufacturing process.

- Apply a sealer (#291). **Sealers** provide an integral function in the protection of tile and other flooring surfaces through penetration and water resistance. For best results, floors must be sealed before floor finish is applied. This will allow the floor finish to be stripped without affecting the sealed floor floors that will not receive a floor finish must be protected with an adequate seal. This is even more critical for high traffic areas .
- Apply two coats of *Stat-Less 24% or 18%* to create a static dissipative floor for ESD environments. In laboratory testing, one coat will provide the correct readings for a dissipative floor, however we recommend 2 coats in the field application.

Stat-les®
A complete Floor Care System for the ESD environment
Cleaner, Stripper, & Spray Buff.

Stat-les® Cleaner. A major concern when implementing a sound ESD program is the cleanliness of the surface. Whether the surface is a workstation, matting, floor finish, or coating, dirt and soil build up daily and are detrimental to maintaining a static free work area. The reason is that dirt insulates your surface and has the potential to generate static charges.

There are many all purpose non-conductive cleaners available to wash standard flooring and work surfaces. However, many such cleaners leave behind a film that will also insulate a static dissipative or conductive surface.

Through extensive research and over 60 years of experience in the ESD field, Legge has developed the solution to cleaning these special surfaces.

Stat-les® Cleaner has been specifically formulated to be used in static sensitive environments. Use on any surface not affected by water, including all types of conductive and static dissipative flooring, matting, and tabletops. Stat-les® Cleaner is supplied as a concentrate for economical use. When used as directed, it will enhance the surface conductivity readings of static dissipative floor finishes and coatings (conductive and static dissipative). No rinsing is required -- saving valuable man-hours.

Stat-les® Spray Buff Rejuvenator

Maintain your STAT-LES treated floors with STAT-LES SPRAY BUFF. STAT-LES SPRAY BUFF has been specifically formulated to keep your floors looking like the original application of STAT-LES floor finish. If you are not using the complete STAT-LES SYSTEM you may be compromising your static control. Most cleaners adversely affect the resistance readings. LEGGE has developed a complete systems approach - from Stripper to Cleaner to Spray Buff - for the most comprehensive care of your static dissipative floors.

Stat-les® Stripper Concentrate

Stat-Less Stripper is formulated for the quick and efficient removal of STAT-LES floor finish and other finishes based on regular and metal cross-linked polymers. It will not leave an insulating film on conductive flooring. Non-butyl, odorless and nonflammable formulation.

SPECIFICATIONS:

DESCRIPTION: non-butyl stripper
SPECIFIC GRAVITY: .968
ph OF CONCENTRATE: 10.7
VISCOSITY: 16 CPS
WEIGHT PER GALLON: 8.25 lbs
COLOR: clear
FLASH POINT: none
BUTYL CONTENT: none
PHOSPHATES: none
ABRASIVES: none
COVERAGE PER GALLON: 2000 sq.ft.

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