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## EpoxyStyle ESD™ Application and Maintenance Instructions

### Floor Preparation

**New concrete floors** should be allowed to cure a minimum of thirty days. Application to floors colder than 60°F is not recommended. Floor surfaces must be free of any release agents, curing compounds, salts or efflorescence before coating. Do not apply to concrete with RH readings above 89% or calcium chloride readings above 3 lb/100 ft<sup>2</sup>/24hrs. Sweep and then wash floors with a neutral detergent, followed by an acid etch. Finally, thoroughly rinse with clean water.

**If floor has been previously coated**, a small area should be cleaned, roughed up by screen disk with a 80-100 Grit screen, washed to remove dust and soil and then sealer applied to test for adhesion, lifting, etc. Any areas of the existing coating which display flaking or poor adhesion should be removed. Wash the stripped areas, acid etch, and rinse thoroughly. Allow the floor to dry. Diamond grinding may be used as an alternative method for removing any poorly adhered existing coating. The resulting concrete surface profile should be CSP-1 to CSP-2. Care must be taken to ensure that the prepared floor is dry and free of dust prior to coating.

**Metal, Fiberglass or Wood** should be thoroughly cleaned and degreased using an appropriate cleaning solvent such as Denatured Alcohol, Isopropanol, Mineral Spirits, etc. Sand the surface to be coated with 80-100 grit sand paper. Remove any dust from sanding with the appropriated solvent. Allow the solvent to evaporate completely.

### Mixing

**Catalyzed EpoxyStyle** should be used within six hours of mixing. Prepare only the quantity necessary for immediate use. Add premeasured catalyst to epoxy base. Stir gently until the catalyst has been thoroughly mixed in. Allow catalyzed EpoxyStyle to stand for 5 minutes.

### Application

**Apply catalyzed EpoxyStyle** with a short nap (1/4"-3/8") roller in thin, uniform coats. A minimum of 2 coats is necessary to achieve a uniform appearance on smooth surfaces.. This is a thin Mil system (each coat is approximately 1.3 Mils when dry) so it is common for some roller marks to be visible on the finished floor. Roll each coat carefully to minimize roller marks. Rough or textured surfaces may require additional coats. Additional coats will enhance the overall appearance of all surface types. The initial coat will cover approximately 400-500 ft<sup>2</sup> per gallon. Allow the initial coat to dry for 5-7 hours, then apply a second coat. Second and any additional coat coverage is approximately 500-600 ft<sup>2</sup> per gallon. **EpoxyStyle** can also be applied using an electric airless sprayer. Mask surrounding areas to protect them from over-spray. Use of an extension pole can help reduce over-spray. Positive results have been obtained using a 10" fan pattern spray tip with a .017 orifice. Apply a thin, uniform coat, making sure to move at a constant rate. Spraying can apply a heavier coat than rolling, so additional drying time may be required if a second is to be applied.

**NOTE:** Grounding strips are applied **AFTER** the first coat. See below for instructions.

**NOTE:** This product is not recommended for applications that experience reoccurring standing water. Finished floors may be opened to light traffic, under normal curing conditions, after 24 hours. Complete curing with maximum durability and chemical resistance will take 5-7 days.

# EpoxyStyle ESD™ Epoxy

*Durable, Easy-to-Apply ESD Epoxy Floor Finish*

## Maintenance

**Coat with DuraGuard™ floor finish** for easier maintenance. Although it is not required for electrical performance purposes, application of DuraGuard™, an acrylic finish with ESD properties, is highly recommended. EpoxyStyle ESD has a matte finish. DuraGuard will provide a higher gloss hard coat finish that will resist penetration of dirt and simplify routine maintenance.

## Application Instructions for DuraGuard

NOTE: All previous versions of DuraGuard and other anti-static floor finishes must be removed with CleanStrip Finish Stripper prior to the application of DuraGuard.

Floor surfaces should be 60° F or warmer and in relative humidity conditions between 40-60%. Remove old finish with CleanStrip. Follow directions on stripper label for application. Two coats of DuraGuard are recommended for static dissipative or conductive tiles.

**Recoating of existing finish:** Sweep the floor to remove any loose dirt or dust. Wash the floor with ProtectOHM to remove dirt and soil. Apply thin even coats, allowing a minimum of 1 to 2 hours between coats, depending on humidity conditions. The frequency of refinishing will vary depending on the efficacy of the maintenance program and environmental conditions. Routine maintenance: Floor surfaces should be swept with an untreated mop daily. DuraGuard should be damp mopped only with ProtectOHM regularly to remove soil, salt, and film deposits, which can degrade the coating's static dissipative properties and gloss. Spray buffing or high-speed burnishing with a soft white polishing pad and DuraBuff is recommended to maintain optimum appearance and static dissipating properties. Do not buff or burnish any sooner than 5 days after the last coat of DuraGuard is applied.

**Do not apply during excessively humid conditions (>60% RH) and do not dry buff or dry burnish. Be sure to allow for adequate dry time between coats. Failure to allow adequate dry time can result in a tacky finished surface and/or slippery conditions.**

## Routine Maintenance

**Regardless of whether DuraGuard is applied or not**, floor surfaces should be swept daily. EpoxyStyle should be damp mopped only with ProtectOhm ESD™ floor cleaner regularly, to remove soil, salt, and film deposits which can degrade the coatings static dissipative properties and gloss. Spray buffing with a soft polishing pad and misting the floor with Durabuff ESD™ is recommended to maintain optimum appearance and static dissipating properties.

CleanStrip, ProtectOhm and DuraBuff products are available from StaticStop.



### **Grounding Instructions**

A ground point is recommended for every 1000 sq. ft. of installed EpoxyStyle ESD flooring. Grounding may be to a wall outlet or earth ground.

1. Apply a 2' ground tape to the floor or after the first coat of EpoxyStyle. The tape should run perpendicular to the wall or column where the ground point is located. Apply 1 foot of the tape to the floor, leaving ~ 1 foot to run up the wall.
  - a. If grounding at an AC outlet, extend the strip up the wall to the outlet. Remove cover plate. Locate and remove the grounding screw inside the outlet. Punch a small hole in the grounding strip and place it over the point where the grounding screw was removed. Replace the grounding screw, securing the copper strip. Replace the cover plate.
  - b. If grounding to a grounding rod, attach the exposed end of the ground tape to the rod with a grounding clamp supplied by the rod manufacturer.
  - c. If grounding to a grounded steel column, attach the exposed end of the ground tape to the beam with a grounding screw or a grounding clamp.
2. Confer with an electrician to ensure that your selected points are properly grounded.



SPECIFICATIONS		SAFETY INFORMATION	
Gloss	Satin/Matte Finish	Health	1
Nonvolatile Solids	35 ± 1%	Flammability	0
Viscosity	400-600CPS	Reactivity	0
pH	6±0.5	Personal Protection	B
Weight/Gallon	9.1 lbs		
Flash Point	>212°F		
Resistivity-ASTM D257 ( @ 40% Relative Humidity	Medium and Light Gray <10 <sup>6</sup> Ohms Beige <10 <sup>9</sup> Ohms	<b>WARNING:</b> Combustible. Harmful if Swallowed. Contains 2-Butoxyethanol CAS# 111-76-2, Acetone CAS# 67-64-1, and Glycol Ether EP CAS# 2807-30-9. Provide adequate ventilation. Prolonged exposure may cause dizziness. If dizziness occurs, seek fresh air. Use respiration equipment if needed.	
Static Decay Time , FTMS 101B Method 404	0.1 Second	If ingested, induce vomiting with oil of ipecac. For contact with skin or eyes, flush with plenty of water.	
Static Generation, ESD STM 97.2	<25 Volts	<b>Consult with a physician.</b>	
Static Load, DIN 16961.2	>2500psi	For detailed information, consult SDS sheet.	
Abrasion Resistance, ASTM D-1044	SC-10-F Wheel, 550g wt, 10,000 cycles, 1.6% gauge loss		
Slip Resistance, ASTM F 609	0.5 minimum		
Freeze/Thaw Stability	Do Not Freeze		
Drying Time	Dry to Touch 5-7 Hours Open to Traffic 10-12 Hours		
Gallon Coverage	450 - 600 ft <sup>2</sup>		
Film Thickness @450 ft <sup>2</sup> /gallon	3mil wet; 1.1 mil dry		
VOC Content	≤350 grams/liter		
Complies with Ozone Transport Commission and CA VOC regulations.			