EpoxyStyle ESD™ Application and Maintenance Instructions

Floor Preparation

New Concrete Floors

Allow new concrete to cure for at least **30 days**. Application to floors colder than **60°F** is not recommended.

Before coating, ensure the surface is free of release agents, curing compounds, salts, and efflorescence. Do not apply to concrete with:

- Relative humidity (RH) readings above **89%**.
- Calcium chloride readings above **3 lb/100 ft²/24 hours**.

Sweep the floor, wash with a neutral detergent, and then acid etch. Rinse thoroughly with clean water.

Previously Coated Floors

Test a small area for adhesion, lifting, and other coating issues before proceeding:

1. Clean the test area.
2. Roughen the surface by screen disking with an **80–100 grit screen**.
3. Wash to remove dust and soil.
4. Apply sealer and check for adhesion, lifting, or other issues.

Remove any existing coating that is flaking or poorly adhered. Wash the stripped areas, acid etch, rinse thoroughly, and allow the floor to dry. Diamond grinding may be used as an alternative method for removing poorly adhered coating.

The resulting concrete surface profile should be **CSP-1 to CSP-2**. Ensure the prepared floor is dry and free of dust before coating.

Metal, Fiberglass, and Wood

Thoroughly clean and degrease the surface using an appropriate cleaning solvent, such as denatured alcohol, isopropanol, or mineral spirits. Sand with **80–100 grit sandpaper**, then remove sanding dust with the appropriate solvent. Allow the solvent to evaporate completely before coating.

Mixing

*Use catalyzed EpoxyStyle within **6 hours of mixing**. Prepare only the quantity needed for immediate use.*

1. Add the pre-measured catalyst to the epoxy base.
2. Stir gently until the catalyst is thoroughly incorporated.
3. Allow the mixed product to stand for **5 minutes** before application.

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Application

Roller Application

Apply catalyzed EpoxyStyle in thin, uniform coats using a short-nap **¼–⅜-inch roller**. Smooth surfaces require at least **2 coats** for a uniform appearance.

EpoxyStyle is a thin-film system; each coat is approximately **1.3 mils thick when dry**. Some roller marks may be visible on the finished floor. Roll each coat carefully to minimize these marks.

Rough or textured surfaces may require additional coats.
Additional coats enhance the overall appearance of all surface types.

Coat	Approximate Coverage	Drying Time Before the Second Coat
First coat	300 ft^2 per gallon	5–7 hours
Second and additional coats	400 ft^2 per gallon	—

Airless Spray Application

EpoxyStyle may also be applied with an electric airless sprayer.

- Mask surrounding areas to protect them from overspray.
- Use an extension pole to help reduce overspray.
- Positive results have been obtained with a **10-inch fan-pattern spray tip and a 0.017-inch orifice**.
- Apply a thin, uniform coat while moving at a constant rate.

Spraying can produce a heavier coat than rolling. Additional drying time may therefore be needed before applying a second coat.

Grounding Strips

Apply grounding strips **after the first coat**. Refer to the grounding-strip instructions below.

Curing and Use

This product is not recommended for applications exposed to recurring standing water. Under normal curing conditions, finished floors may be opened to **light traffic after 24 hours**. Complete curing, with maximum durability and chemical resistance, takes **5–7 days**.

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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

Sweep floor surfaces daily with an untreated mop, regardless of whether DuraGuard has been applied.

Regularly damp mop DuraGuard using only ProtectOHM, and EpoxyStyle using only ProtectOhm ESD™ floor cleaner, to remove soil, salt, and film deposits. These deposits can degrade the coating's static dissipative properties and gloss.

To maintain optimum appearance and static dissipative properties:

- DuraGuard: Spray buff or high-speed burnish using a soft white polishing pad and DuraBuff. Wait at least 5 days after applying the final coat of DuraGuard before buffing or burnishing.
- EpoxyStyle: Spray buff using a soft polishing pad while misting the floor with DuraBuff ESD™.

Do not dry buff or dry burnish.

Application Precautions

Do not apply DuraGuard when relative humidity exceeds 60%. Allow adequate drying time between coats. Insufficient drying time can result in a tacky finished surface and/or slippery conditions.

CleanStrip, ProtectOhm, and DuraBuff products are available from StaticStop.

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Grounding Instructions

A ground point is recommended for every 1,000 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.

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EpoxyStyle ESD™ Epoxy

Durable, Easy-to-Apply ESD Epoxy Floor Finish

Specifications

Specification	Value
Gloss	Satin/Matte Finish
Nonvolatile Solids	35 ± 1%
Viscosity	400–600 CPS
pH	6 ± 0.5
Weight/Gallon	9.1 lbs
Flash Point	>212°F
Resistivity ASTM D257	Medium and Light Gray: $<10^6$ ohms; Beige: $<10^9$ ohms, at 40% relative humidity
Static Decay Time FTMS 101B Method 404	0.1 second
Static Generation ESD STM 97.2	<25 volts
Static Load DIN 16961.2	>2500 psi
Abrasion Resistance ASTM D-1044	SC-10-F wheel; 550 g weight; 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^2
Film Thickness at 450 ft^2/gallon	3 mil wet; 1.1 mil dry
VOC Content	≤350 grams/liter
Regulatory Compliance	Complies with Ozone Transport Commission and CA VOC regulations

Safety Rating

Health: 1
Flammability: 0
Reactivity: 0
Personal Protection: B

WARNING: 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.

If ingested, induce vomiting with oil of ipecac. For contact with skin or eyes, flush with plenty of water. Consult with a physician. For detailed information, consult SDS sheet.

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