APPLICATION INSTRUCTIONS

Staticide® 4800, 4600, 4000, & 4018 Dissipative Acrylic Floor Finishes
Staticide® 4100 Restorer Cleaner
Staticide® Stripper 4010 Acrylic Floor Finish Remover

Before beginning:

- Read this entire document before application.
- Always wear protective eyewear and gloves. Read SDS for safety information: https://www.aclstaticide.com/sds/[Part #]
- Apply a test patch for adhesion, abrasion, resistance, and aesthetics testing prior to coating large areas.
- Average Floor Finish Coverage: 2 coats of approximately 750-1000 sq. ft. per gallon.
- Actual coverage may vary depending on substrate and application method.

APPLICATION CONSIDERATIONS

1. **Temperature:** Between 60-80°F.
2. **Humidity:** Between 30-50% RH (dew point dependent). For optimal results, do not apply during humid conditions.
3. When applying floor finishes or cleaning, always set up a “wet floor” sign as good housekeeping practice.
4. Designate new rayon or microfiber finish mops for specific products and their use in the maintenance of ESD areas.
5. The frequency of stripping and refinishing cycles will vary depending on the level of traffic and environmental conditions within a particular facility, the durations indicated below are guidelines. See Final Note at the end of this document. Monthly refinishing provides the most consistent results.

RECOMMENDED USE

- **Staticide® 4018 Acrylic:** Non-volatile solids (NVS): 18% ± 5%, Strip Cycle: 6 months.
- **Staticide® 4000 Acrylic:** NVS: 20% ± 5%, Strip Cycle: 6-12 months.
- **Staticide® 4600 Ultra:** NVS: 22% ± 5%, Strip Cycle: 12-24 months.
- **Staticide® 4800 Ultra II:** Urethane-enhanced for durability. NVS: 21% ± 5%, Strip Cycle: 12-18 months.
- **Staticide® 4100 Restorer Cleaner:** Maintain and extend the strip cycle of Staticide® Dissipative Floor Finishes.
- **Staticide® Stripper 4010 Acrylic Floor Finish Remover:** Remove old finish and clean floors before application.

SURFACE PREPARATION WITH STATICIDE® STRIPPER 4010 ACRYLIC FLOOR FINISH REMOVER

1. Prepare a 1:4 dilution of **Staticide® Stripper 4010 Acrylic Floor Finish Remover** and water (1 part Stripper to 4 parts water by volume). The amount of water can be decreased if more cleaning power is required.

2. **For both treated and untreated surfaces**, follow the same instructions to ensure a suitably prepared surface for new Floor Finish application. New tile floors must be stripped thoroughly to remove all floor coatings. ESD tiles have plasticizers that may require a higher concentrate of stripper to remove. DO NOT strip new tile floors within the first 4-5 days after installation. Concrete must be cured for a minimum of thirty days before coating. Do not use on floors subject to hydrostatic pressure. Concrete must be internally dry and have a nonporous surface. See **important tests for concrete** below.

3. Using a clean lint-free mop, wet floor with diluted Stripper and reapply as needed, keeping floor wet for 10-15 minutes. It is recommended to strip less than 125 sqft at a time. Do not allow Stripper to dry on floor.

4. Scrub floor to emulsify old Finish and dirt using an auto scrubber with stripping pad, abrasive pad, or a stiff bristle broom brush.

5. Pick up soiled solution with a wet vacuum, mop, or squeegee.

6. Rinse floor thoroughly with clean water at least twice, until Stripper and Finish are completely removed. Inspect to confirm that all Stripper and Finish has been removed (note shiny vs dull spots). Any residual Stripper or Finish will be detrimental to the performance the new application. If shiny spots or white powder appear after floor is dry, the floor needs to be re-striped and re-rinsed.

7. Do not use solvents or solvent based cleaners. All surfaces must be clean, totally dry, and free of any acid, stripper, detergent, oil, grease, dirt, mildew, form release agents, curing compounds, flaking paint, or other foreign substances.

Important tests for concrete:

It is critical that concrete is fully cured (30+ days) and dry. Excess moisture inside the coated concrete or a pH > 10 will ruin the coating, leading to poor adhesion, bubbling, or peeling. Test with litmus paper to ensure the floor has a neutral pH.

Porosity Test: Pour one ounce of water onto the concrete. If water beads up on the concrete, the surface is not porous and suitable for Floor Finish. If the water soaks in, the surface may be too porous for coating and require sealing or a **Staticide® Floor Paint** may be more suitable for the surface. The presence of laitance (fine white particles) requires abrasive blasting, sanding, or abrading to assure removal. Ensure test area is dry before painting.

Dryness Test: Place a weighted rubber mat, piece of plastic sheet, or other non-porous material on the surface for 24 hours. If the underside of the material is dry after that time, then the floor is suitable to coat. If moisture persists, concrete surface cannot be coated.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead

APPLYING STATICIDE® FLOOR FINISH

1. Floor must be completely dry before applying floor finish. Apply a test patch. If the test patch is acceptable, continue application. If the test patch shows unacceptable adhesion after five days, further surface preparation is required or surface is unsuitable for Floor Finish application.

2. Apply **Staticide® 8095 Copper Adhesive Grounding Tape** directly to floor and apply finish on top.

3. Using a new rayon or microfiber mop and a clean pail, or a mop designated for the application of Staticide® Floor Finish, apply a thin coat of the chosen finish to floor. Wring out ¾ of the mop before applying. Use separate mops and a clean pail for Stripper and Floor Finish. For the formation of a uniform hard coating, it is critical to apply Floor Finish in thin coats to prevent moisture from becoming trapped in the initial application.

4. Let floor dry to the touch, approximately one hour when relative humidity is below 30%. Drying times may vary slightly depending on ambient conditions. Between 30-50% RH or below 70°F, allow 1-2 hours of dry time. For greater than 50% RH allow 2-3 hours of dry time. Allow the floor to dry naturally, do not use forced air.

5. Apply a second, slightly thicker coat. Wring out ½ of the mop before applying.

6. **For 4000, 4018, and 4600**, two thin coats are sufficient but for optimal performance, longer life, and easier maintenance, three coats are recommended. If a 3rd coat is to be applied, wait 24 hours after applying the second coat. This will allow the first two coats to cure. **For 4800**, two thin coats is the maximum for dissipative surfaces.

7. Normal traffic may resume in 6-8 hours (preferably overnight) after applying the last coat.

NOTE: Results may be unsatisfactory if these instructions are not followed. Applying too many coats, thick coats, or not allowing sufficient dry time may result in poor adhesion, appearance, electrical performance, streaks, blistering, bubbles, flaking, softening, greasiness, or stickiness. Do not mix floor finishes. Do not mix with non ESD floor finishes, floor finishes from other brands, or other Staticide® Floor Finishes.

MAINTAINING STATICIDE® FLOOR FINISH

A routine maintenance program will provide the most satisfactory gloss retention, electrical characteristics, and lifespan of Staticide® Floor Finishes. Use only Staticide® 4100 Restorer Cleaner, 4030 Neutral Cleaner, or water to clean the Floor Finish.

1. **Daily:** Sweep floors with an untreated dry mop to remove dust, dirt, and debris. Do not use sweeping compound.

2. **Weekly:** Clean floors with one of the following methods after sweeping:

   - **Light Cleaning:** Either mop with a 1:1 dilution of the chosen Staticide® Floor Finish and cool, clean water **OR** mop using a 1:10 dilution of Staticide® 4100 Restorer Cleaner and water. Wring out mop so that the floor does not become oversaturated with moisture. Remove excess soiled solution. Allow the floor to dry at least one hour before resuming traffic. Excess mopping will cause the finish to become oversaturated with moisture.

   - **Moderate Cleaning:** Mop with Staticide® 4030 Neutral Cleaner, allow to dry, then follow **Light Cleaning** instructions.

   - **Heavy/Machine Cleaning:** Auto scrub only when necessary. Use a 1:10 dilution of Staticide® 4100 Restorer Cleaner and water. Keep pad pressure setting light and use a white 3M Pad or other polishing pad. After the floor dries at least one hour, apply a thin coat of floor finish following **Light Cleaning** instructions.

3. **Every four to six weeks after Light Cleaning** apply an undiluted top coat of the chosen Staticide® Floor Finish. Allow the finish to dry for approximately 8-12 hours before resuming foot traffic. Apply no more than 10 of these interim top coats before stripping. Top coat with the same finish as the base coat. Do not interchange floor finishes.

BUFFING STATICIDE® FLOOR FINISH

Buffing is not required or normally suggested for the maintenance of Staticide® Floor Finishes. If buffing, spray buff using a 1:1 dilution of the chosen Staticide® Floor Finish and cool, clean water and standard or high speed equipment using the least aggressive pad possible. Use light pressure to avoid burnishing and finish removal. After the floor dries at least one hour, apply a thin coat of floor finish following **Light Cleaning** instructions.

FINAL NOTE

It is crucial to begin a program of taking regular readings of surface resistance to evaluate the floor and to establish a proper maintenance program tailored to your requirements. All surface resistivity readings should be taken when the floor is at room temperature and dry. Refer to ANSI/ESD S20.20 specifications and standards.

Staticide® Resistance Meters are calibrated and provide quick and accurate measurements.

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