APPLICATION INSTRUCTIONS

Staticide® 6700 ESD Paint PLUS

Before beginning:

- Read this entire document before application.
- Always wear protective eyewear and gloves. Read SDS for safety information: https://www.aclstaticide.com/sds/6700
- Apply a test patch for adhesion, abrasion, resistance, and aesthetics testing prior to coating large areas.
- Average Coverage: 200 sq. ft. per gallon at 8 mils (wet) for one coat.
- Actual coverage may vary depending on substrate and application method.
- Apply at temperatures between 50-85°F (10–30°C) and humidity between 40-70% RH.
- Mix thoroughly before use.
- Two coats are required to ensure electrical performance.

APPLICATION CONSIDERATIONS

1. **Temperature:** Between 50-85°F (10–30°C).
2. **Humidity:** Between 40-70% RH (dew point dependent). Too high humidity (>70%) slows drying and curing and can trap moisture in the painted surface, leading to poor adhesion, bubbling, or peeling. Too low humidity (<40%) may cause paint to dry too quickly, causing improper curing or weak bonding.
3. Do not paint in conditions where condensation may form on the freshly painted surface. Do not paint in the rain, or if rain or heavy dew is expected within 48 hours of application.
4. Apply paint in an even coat. Do not over or under apply.

NEW SURFACE PREPARATION

1. **All Surfaces:** Clean surface with a detergent solution followed by a thorough clean water rinse, then dry. 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.

2. **Concrete:** Concrete must be cured for a minimum of thirty days before coating. Do not use on floors subject to hydrostatic pressure. Roughen slick poured or precast concrete and remove sealers by chemical cleaning or abrasive method such as sand sweeping. Rinse thoroughly with water and allow to dry. Concrete must be internally dry. Remove loose aggregate. Prime with this product. See **important tests for concrete** below.

3. **Wood:** Sand smooth. Remove sanding dust. Prime with this product.

4. **Steel:** Prepare surface to SSPC-SP 11 cleanliness standards and prime with a metal primer.

5. **Galvanized metal and aluminum:** Clean off oils and other contaminants. Prime with a galvanized metal primer.

PREVIOUSLY PAINTED SURFACE PREPARATION

1. Grit blast or sand glossy surfaces to dull areas and to remove loose paint, wax, silicone, sealers, oils and other coatings or chemicals that will adversely affect the product performance. Simple cleaning may be insufficient to obtain maximum adhesion.

2. Prepare surface as specified in **NEW SURFACE PREPARATION.**

3. 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 paint application.

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

Important tests for concrete:

It is critical that concrete is fully cured (30+ days) and dry. Excess moisture inside the painted 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 the water soaks in, the surface is porous enough for coating. If water beads up on the concrete, the surface is not porous and further treatment is required. 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 paint. If moisture persists, concrete surface cannot be coated.

Moisture Vapor Emission Rate (MVER): Test with a digital MVER pin meter. Moisture content must be 12% or less.

APPLICATION INSTRUCTIONS

1. Mix thoroughly before use.
2. May be applied by brush, roller, or spray. Do not thin.
3. For airless spray application, use a .015" - .019" tip at 2000 psi, adjusting pressure as needed.
4. Two coats are required. Ensure adequate ventilation during application and drying. Apply **Staticide® 8095 Copper Adhesive Grounding Tape** between coats.
5. **DRYING TIME:** At 77°F (25°C) and 50% RH, dries to touch in 2 to 4 hours. Apply second coat after 8 hours. Allow floor to dry overnight at not less than 60°F before allowing light foot traffic to resume on the surface. Allow floor to dry 3 days (72 hours minimum) at not less than 60°F before allowing general industrial traffic to resume or before applying an optional coat of **Staticide® ESD Floor Finish** to increase gloss and durability. Low temperatures, high humidity, thick coats, or poor ventilation will increase these times.
6. **CLEAN-UP:** Clean hands and tools immediately with warm, soapy water. Clean spills right away with a damp cloth.
7. After drying, test the floor with a surface resistance meter according to ANSI/ESD STM7.1 testing standards. For the dissipative formula, the floor should measure between 10^7–10^9 Ω. For the conductive formula, between 10^4–10^6 Ω.

REGULAR MAINTENANCE

1. Allow 2 weeks of drying time after initial paint application before using a damp mop to clean coated floor.
2. Sweep or dust mop daily. Use sweeper, vacuum, or an untreated mop to clean the floor. Do not use a sweeping compound.
3. Damp mop weekly.
4. Remove all spills immediately.
5. Do not machine buff, use abrasive cleaners, or scrubbing machines with aggressive pads to clean the painted floor.
6. Dirty floors will negatively impact surface resistance performance.
7. Touch up worn areas with additional paint as needed.

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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