

## **GREY ESD FLOOR PAINT - WATERBASE ACRYLIC**

### **I. Description**

STATIC TECH ESD Floor Paint is a nonhazardous, easy to apply grey paint. This paint is suitable for concrete floors and many other substrates where a static control surface is required. This durable acrylic paint provides a coating with a surface resistance in the  $10^4$  to  $10^7$  ohms range, providing excellent static charge dissipation.

Application and cleanup are safe and easy with this one part waterbase formula.

### **II. Specifications**

Coverage: 300 to 400 square feet per coat at 1 to 2 mil thickness on smooth surfaces. On coarse surfaces coverage will be less

Cure Time: 12 hours for light foot traffic, 24 hours for heavy traffic

Density: 10.13 pounds per gallon

Drying Time (to touch): 1 hour

Freeze/Thaw Stability: Passes three cycles

Material: Waterbase acrylic polymer liquid

Resistance Point-to-Point ( $R_{TT}$ ):  $10^4$  to  $10^7$  ohms per ESD-S7.1

Shelf Life: Minimum of 12 months from date of manufacture

Slip Resistance: 0.55 minimum per ASTM D-2047

Solids: 38%

Storage Temperature: 35° to 95° F

Surface resistance:  $10^4$  to  $10^7$  ohms per EOS/ESD-S11.11.

VOC Content: 1.2 pounds per gallon

### **III. Toxicity**

**STATIC TECH** ESD Floor Paint is a nonhazardous material. For complete information request MSDS CC1001

### **IV. Surface Preparation**

As with all paints, proper preparation is important to the adhesion of **STATIC TECH** ESD Floor Paint. This is a durable paint with excellent abrasion resistance. When properly applied this paint will provide long term, trouble free ESD protection. We recommend two coats for maximum long-term protection.

#### **1. Surface Cleaning**

All surfaces to be painted must be dry, clean and free of dirt, dust, wax, oil and grease. Heavy oil, grease or wax buildup should be removed with strippers or degreasers. Adhesion to smooth surfaces may be improved through sanding, scarifying or profiling.

Surfaces should be washed and rinsed well before applying paint. Thorough rinsing with clean, clear water is necessary to remove detergent residue which can adversely affect the adhesion and wear resistance of the paint. Allow rinsed floor to dry thoroughly before applying paint. Trapped moisture may retard adhesion.

#### **2. Priming**

Metal surfaces should be cleaned and primed with red oxide primer. On certain other substrates or smooth surfaces the use of a primer may improve adhesion. Primers intended for use with waterbase acrylic paints are generally compatible with **STATIC TECH** ESD Floor Paint.

#### **3. New Concrete Floors**

New concrete floors should be allowed to cure for a minimum of four weeks before applying paint. Unsealed floors will require two coats.

## V. Checking Adhesion

1. Thoroughly mix a single container of paint. Apply to a small area (approximately one sq. ft.) that has been properly prepared. Allow test area to dry a minimum of twenty-four hours. Test electrical properties to ensure that material falls within desired limits.
2. Use a razor knife to cut a crosshatch pattern into a small area (approximately 3" x 3") of the test patch. Crosshatches should be 1/4" apart.
3. Apply a strip of masking tape onto the crosshatch area. Press firmly and peel back.
4. If more than twenty percent of the paint in the crosshatch area comes up with the masking tape, the surface requires additional surface preparation (cleaning, rinsing, sanding, etching, or primer).

## VI. Application

1. Stir thoroughly to mix any settled solids. Combine separate cans into a single large container. Stir or mix paint thoroughly for uniform color and conductivity.
2. Use a 1/4" fine nap roller or synthetic brush. Apply paint in smooth even strokes. Do not overbrush.
3. Two coats are recommended for durability and to ensure complete coverage. Allow a minimum of one hour between coats; longer in conditions of high humidity. Minimum ambient temperature during drying and curing should be 45° F.
4. Allow one hour for drying to touch. Minimum cure time for light foot traffic is twelve hours. Minimum cure time for heavy foot traffic and equipment is twenty-four hours. Allow at least one week before damp mopping with water (no detergent). Minimum cure time for washing with detergent is thirty days.

## VII. Cleanup and Storage

Wash applicators with soap and water immediately after painting. Clean spills with a wet cloth or sponge. Close container tightly after use. Keep from freezing.

## VIII. Maintenance

Sweep or vacuum frequently to remove dirt and debris which can act as abrasive agent. Damp mop with water or wash with detergent and water as necessary to keep floors clean. Do not use abrasive cleaners or scrubbing machines to clean floor.

## IX. Part Numbers

P/N	ITEM
CC-1001	ESD Floor Paint - 1 Gallon
CC-1005	ESD Floor Paint - 5 Gallons

Use with appropriate ESD footwear for effective charge dissipation. Static Technologies makes a variety of durable foot grounders that are safe, effective and economical.

All statements, technical information and recommendations related to the seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before using the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.