

EPOXY FLOOR COATING**Non-hazardous Two Part Waterbase System****I. Description**

STATIC TECH Beige Epoxy is a rugged and effective ESD floor coating. The light beige or grey surface is attractive and easy to maintain. This economical material creates a durable and chemical resistant surface. The water-based system is easy to apply and non-hazardous.

II. Specifications

Coverage: 300 to 400 square feet per gallon per coat at 1 to 2 mil thickness on smooth surfaces. Less on coarse surfaces.

Cure Time: 12 hours for light traffic, 24 hours for heavy traffic. Fully cured in 7-10 days.

Density: 9.5 pounds per gallon

Drying Time (to touch): 6 hours

Freeze/Thaw Stability: Passes three cycles

Material: Water based two part liquid epoxy

Number of coats required: Three recommended

Resistance Point-to-Point (RTT): 10^4 to 10^7 ohms per ESD-S7.1

Shelf Life: Min. 1 year from date of manufacture

Slip Resistance: 0.55 min. per ASTM D-2047

Solids: 43%

Storage Temperature: 35° to 95° F

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

Viscosity: 400 to 450 cps

VOC Content: 440 grams per gallon. Meets CA requirements for industrial maintenance coating.

Color: Available in light beige and light grey

III. Surface Preparation - Proper preparation of the floor is crucial to proper adhesion.

1. Floor must be dry and clean. Remove oil, grease or wax with strippers or degreasers. Smooth surfaces may require sanding, scarifying or profiling.

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

2. Priming

Epoxy coating have a better adhesion results with bare concrete. If the floor has already been sealed, acrylic or epoxy primers are compatible with **STATIC TECH** ESD Floor Coating. Do not use rubber or polyurethane base primers.

3. New Concrete Floors

New concrete floors should be allowed to cure a minimum of four weeks before coating.

V. Check Adhesion

1. Thoroughly mix small quantity of parts A and B. Apply to a small area (approximately 1s.f.) that has been properly prepared. Allow test area to dry a minimum of twenty-four hours.

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 cross-hatch area. Press firmly and peel back.

4. If more than 20 percent of the coating in the cross-hatch area comes up with the masking tape, the surface requires additional surface preparation (cleaning, rinsing, sanding, etching, or primer).

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V. Application

NOTE: THIS IS AN EPOXY SYSTEM. ONCE THE TWO PARTS ARE MIXED TOGETHER, CURING WILL BEGIN. AFTER THE CLEAR CATALYST (PART B) IS MIXED WITH THE BEIGE COATING (PART A) THE EPOXY SHOULD BE USED WITHIN SIX HOURS.

Parts A and B are premeasured. If it is necessary to use a partial container, the correct proportions are 1 part B (catalyst) into 10 parts A (beige coating).

1. Mix each container of beige coating separately and thoroughly. For uniform color, pour all containers of coating (part A) into one large container. Stir well.

2. Add clear catalyst (part B). Stir gently until all catalyst has been thoroughly mixed. Avoid excess aeration. Let stand five minutes (minimum) before use.

3. Using 1/4" fine nap roller, apply in smooth, even strokes. Apply within 6 hours of combining two parts.

4. Allow four to six hours between coats, longer in conditions of high humidity. Minimum curing ambient temperature should be 60° F.

5. Allow three hours 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. Minimum cure time before damp mopping with water is one week. Minimum cure time before washing with detergent is thirty days.

VI. Clean up and Storage

Immediately wash materials with soap and hot water. Clean up spills with a wet cloth or sponge. Dispose of all excess coating that has been mixed following local, state and federal regulations. Close containers tightly after use. Keep from freezing.

VII. Maintenance

Sweep or vacuum daily to remove abrasive dirt and debris. Damp mop with water or wash with detergent and water to keep floor clean. Avoid abrasive cleaners or scrubbing machines.

VIII. Toxicity

STATIC TECH ESD Floor Coating is a nonhazardous material. For information request MSDS CC3001.

IX. Part Numbers

	1 GALLON	5 GALLON
P/N Beige	CC-3001	CC-3005
P/N Grey	CC-3011	CC-3015

X. How Many Gallons Are Required

One gallon will cover approximately:
 300 – 400 square feet with a single coat
 150 – 200 square feet with two coats
 100 – 135 square feet with three coats

Three coats are recommended

Actual coverage (square feet) will vary depending on number of coats, porosity of floor substrate, smoothness of surface, and uniformity of application.

Static Technologies ESD Floor Coating should be used with appropriate ESD footwear. Static Technologies manufactures 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.

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