

### SYSTEM DESCRIPTION

**StatRez PC 225C** is a 4-coat aliphatic polyurethane flooring system designed to impart static control properties in the conductive range of 25,000-1,000,000 (2.5E4-1E6) ohms resistance when tested with ESD Association test method 7.1. It also has the advantage of being UV Stable and having excellent chemical and abrasion resistance.

**StatRez PC 225C** is UV stable and has excellent chemical and abrasion resistance. This system has a satin finish.

### SYSTEM USES

**StatRez PC 225C** is designed to provide static control properties that prevent electrostatic damage to electronic products and equipment, limit the ability of personnel to build up a charge on their person and quickly remove a charge on a person or equipment. **StatRez PC 225C** is used in military, aerospace, aircraft hangars and service areas, electronics manufacturing and assembly areas, packaging lines, processing areas, clean rooms, pharmaceutical industries and hazardous industries (dust or explosion hazards).

### FEATURES & BENEFITS

- UV stable
- Excellent abrasion resistance
- Highly resistant to many chemicals
- Low VOC <100 g/l
- Maintains consistent electrical performance throughout the entire thickness of the system
- Does not depend on relative humidity for conductive properties
- Monolithic, seamless, non-porous
- More durable than ESD tile or sheet goods

### COLORS

**StatRez PC 225C System** is available in Wheat, Sand, Buff, Adobe, Red Brick, Concrete Gray, Delta Fog, Sterling and Slate.

### PRODUCTS

Epoxy 400 isolation coat, StatRez 150 Conductive Primer and StatRez 225 topcoat.

### INSTALLATION

Please refer to **StatRez PC 225C System** installation guidelines for information and instructions.

### SURFACE PREPARATION

Concrete must be cured 30 days and be clean, dry and structurally sound. Surface must be shot blasted or diamond ground to achieve an ICRI profile of SCP3 or greater. A properly prepared surface will have the texture of 80-100 grit sandpaper. If the surface is diamond ground, use 20-30 grit diamonds and vacuum the floor twice to remove concrete dust. Excessive dust in the pores of the concrete can compromise adhesion. Adhere strictly to guidelines listed in the Arizona Polymer Flooring Surface Preparation Manual. Previously coated surfaces must be mechanically cleaned and abraded with 80-100 mesh sandpaper prior to application.

### PHYSICAL PROPERTIES

#### Electrical Transmission Properties

*Point-to-Point or Point-to-Ground resistance per ESD 7.1*

Conductive:	<b>2.5E4-1E6</b>
Body Voltage Generation:	<b>&lt;15 volts</b>
5000 Volt Charge Dissipation to 0 Volts:	<b>&lt;0.1 sec.</b>

#### Performance Properties

Abrasion Resistance (ASTM D 4060 CS17, 1000 cycles, 1000g load):	<b>30-40</b>
Impact Resistance Direct/Reverse, inch/lbs (ASTM D 2794):	<b>160/160</b>
Hardness, Pencil (ASTM D 3363):	<b>2H</b>
Bond Strength to Concrete (ASTM D 4541):	<b>concrete fails before loss of bond</b>

### CONCRETE MOISTURE

Perform calcium chloride testing in accordance with ASTM F 1869 or relative humidity probe testing in accordance with ASTM F 2170. In the event that testing results in  $\geq 3$  lbs per 1000 sq. ft. per 24 hours, or  $\geq 75\%$  relative humidity, please refer to Arizona Polymer Flooring VaporSolve® product information or go to [www.vaporsolve.com](http://www.vaporsolve.com).

### CHEMICAL RESISTANCE

Refer to Arizona Polymer Flooring Chemical Resistance Guide for full system chemical resistance.

### WARRANTY

Arizona Polymer Flooring guarantees that this product is free from manufacturing defects and complies with our published specifications. In the event that the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. ARIZONA POLYMER FLOORING MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, AND ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. Arizona Polymer Flooring shall not be liable for any injury incurred in a slip and fall accident. Manufacturer or seller shall not be liable for prospective profits or consequential damages resulting from the use of this product.