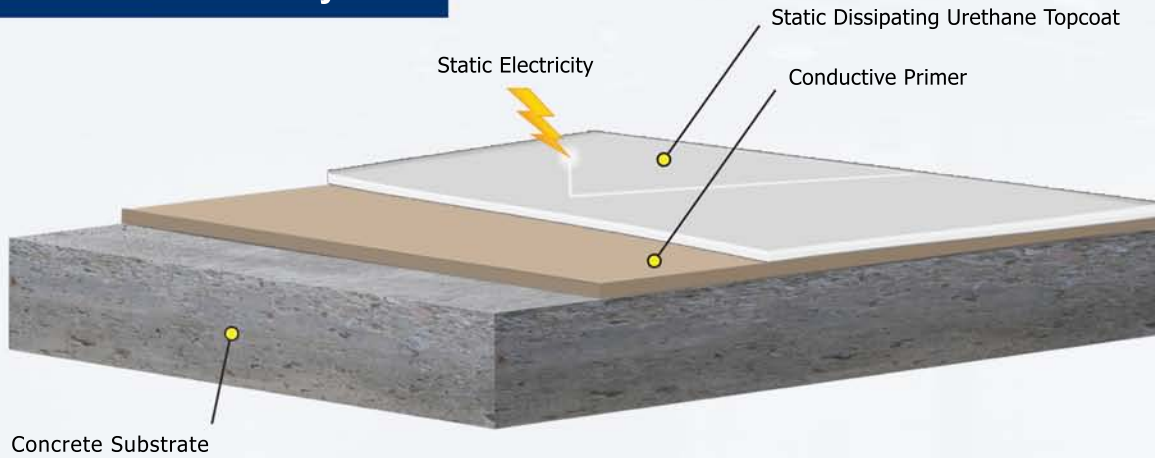




# THE CONCRETE PROTECTOR

## Anti-Static Thin Mil System



Anti Static High Build System is a high build static dissipating colored epoxy coating system. It is used for environments where static control is needed.

### BENEFITS

- Chemical Resistance
- Channels static electricity to ground
- Several colors available
- Creates clean, quality appearance
- Excellent abrasion resistance
- Typical application of approximately 4 to 6 mils

*\*Refer to individual data sheets for preparation, mixing and application instructions as well as product limitations, limitations of liability, warranty information and common chemical resistance information.*

### RECOMMENDED FOR

- Computer rooms
- Laboratories
- Hospitals
- Chemical Plants
- Solvent storage areas
- Anywhere a static dissipating floor is required

### SYSTEM COMPONENTS (approx 1/16<sup>th</sup>"

Coat	Product	Mix Rate	Coverage
Primer	CP 411C Anti-Static Conductive Primer	1:1	229 to 320 sf/gallon
<b>Copper Ground Tape</b>			
Body	CP 423C Static Dissipating (VOC Compliant) Urethane	2:1	320 to 500 sf/gallon

### PHYSICAL PROPERTIES

Property	Test Method	Result
Adhesion		380 psi (concrete failure)
Flexibility		No cracks on 1/8" mandrel
Impact Resistance	Gardner Impact, direct & reverse	150 inch lbs. direct
Abrasion Resistance	CS-17 1000/500	23 mg
Gloss	Glossmeter	>60 @ 60°
Application Temperature		45° to 90° F



## Anti-Static High Build System Mixing and Application Instructions

**NOTE:** THIS PRODUCT IS NOT FOR A CONDUCTIVE COATING SYSTEM. THIS SYSTEM IS NOT INTENDED FOR AREAS EXPOSED TO EXPLOSIVE MEDIA SUCH AS AMMUNITION PLANTS. THIS MATERIAL IS PROVIDED AS A STATIC DISSIPATIVE COATING. REVIEW THE DATA ON THE FRONT SIDE OF THIS TECHNICAL DATA UNDER ELECTRICAL RESISTANCE FOR TESTING RESULTS. REVIEW YOUR ELECTRICAL RESISTANCE REQUIREMENTS BEFORE INSTALLING THIS PRODUCT. DO NOT USE WAXES UNLESS THEY ARE SPECIFICALLY FORMULATED AND RECOMMENDED FOR ANTI STATIC APPLICATIONS. ALWAYS APPLY TEST PATCHES OF YOUR SELECTION TO CHECK CONDUCTIVITY PRIOR TO APPLICATION AND TO BECOME FAMILIAR WITH THE PRODUCTS APPLICATION PROCEDURE.

**PRODUCT STORAGE:** Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 60 and 90 degree F. Keep from freezing.

**SURFACE PREPARATION:** Surface preparation will vary according to the type of complete system to be applied. For a one or two coat thin build system (3-10 mils dry) we recommend either mechanical scarification or acid etching until a suitable profile is achieved. For a complete system build higher than 10 mils dry, we recommend a fine brush blast (shot blast). All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. A test should be made to determine that the concrete is dry; this can be done by placing a 4'x4' plastic sheet on the substrate and taping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate is dry enough to start coating.

**PRIMER MIXING:** Mix one part A to one part B by volume. After the two parts is combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. Improper mixing may result in product failure.

**PRIMER APPLICATION:** This product is intended for the professional applicator with knowledge of this type of product. The mixed material can be applied by brush or roller. Maintain temperatures within the recommended ranges during the application and curing processes. The CP 411C conductive primer is best earthed with strips of copper about 20 centimeters long, which are anchored in the subfloor and connected to a water pipe or neutral conductor in the electric wiring system. Two earthing points normally suffice for a single room. One earth per 200 square meters of floor space is the general rule for large areas. After the substrate is earthed, Apply the CP 411C by roller or brush at the recommended (5-7 Mil) thickness. Too thick of an application may result in insufficient conductivity or solvent entrapment and subsequent product failure. Allow sufficient time for the CP 411C to cure. **DO NOT TOPCOAT THE PRIMER UNTIL THE ELECTRICAL RESISTANCE IS  $10^6$  OHMS OF RESISTANCE OR LOWER. IN SOME INSTANCES, IT WILL REQUIRE 24 HOURS TO ACHIEVE PROPER CONDUCTIVITY BEFORE TOPCOATING. (TEST BEFORE TOPCOATING)**

**TOPCOAT PRODUCT MIXING:** Mix two parts A to one part B by volume. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free.

**TOPCOATING THE PRIMER:** The primer was designed to be topcoated with our CP423C Anti-Static urethane. When you topcoat this primer, you must first be sure that all of the solvents have evaporated from the coating during the curing process. Always remember that colder temperatures will require more cure time for the primer before recoating or topcoating can commence. Before topcoating, check the primer to insure no epoxy blushes were developed (a whitish, greasy film or deglossing). If a blush is present, it must be removed prior to topcoating. To topcoat with the CP423C thoroughly mix part A and part B together for the CP423C anti-static topcoat using slow speed mixing equipment. Apply the CP423C anti-static topcoat by roller or brush. Be sure to apply the topcoat product at the specified coverage rate or recommended thickness. Too thick of an application may result in product failure. We only recommend one coat of any anti-static topcoat be applied over the conductive primer. Consult your sales agent for proper anti-static topcoat selections. Adequate leakage resistance should be less than  $10^8$  ohms measured at 100 to 1000 volts. Typical conductive properties for the CP423C system (when applied in conjunction with CP 411C primer) follows: (CP423C =  $10^5$  to  $10^7$  ohms).

**CLEANUP:** Use xylol.

**FLOOR CLEANING:** Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

**RESTRICTIONS:** Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

### NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY

**WARNING:** Antistatic flooring cannot provide protection against discharges from the power main. If danger of coming in contact with the mains cannot be completely ruled out, the usual safety regulations must be followed to the letter. Although this publication describes how our products may be applied to achieve antistatic flooring and the information given is based on the present state of our knowledge, all recommendations are made without liability on our part since the actual application of our products is not in our hands and special conditions prevailing at a particular job might negatively influence a floors antistatic properties. Buyers and users of our products should make their own assessment of the floors antistatic properties immediately after it has been installed and at regular intervals thereafter. We warrant that our product is manufactured to the strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. All other information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. **NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT.** *We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may be CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING any material, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.*

