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**EPOXY & FIBERGLASS FLOORING, SEAMLESS FIBERGLASS WALL SYSTEMS, SEALERS,
HIGH PERFORMANCE COATING SYSTEMS, AND INDUSTRIAL CLEANERS**

PRODUCT BULLETIN

1300 ESD INSTALLATION AND TESTING PROCEDURES

INSTALLATION

#1300 ESD is formulated on the basic #1300 resin system back bone. Follow the usual procedures for surface preparation and priming as you would with the #1300. Adhesion is similarly excellent over concrete, epoxy, properly prepared metal, and wood. For older coatings we recommend a suitable epoxy primer or preparation with SURFPREP 102. Apply two coats of #1300 ESD with a roller or sprayer at 250 sqft/gal each. Thinning should be done with glycol ether EP ONLY if thinning is necessary. The material comes in a light gray/tan color. Limited color changes are possible and should be done at the factory and NOT in the field as excessive color additional may effect the ESD properties.

GROUNDING

To achieve the ESD effects proper grounding must be done. Grounding anchors are supplied for every 1000 sqft of area. These should be anchored into the concrete and the lead from these should be attached to a suitable water pipe or other structural member which is itself a ground point. Additional grounding is essential if: there are breaks or discontinuities in the floor surface especially by floor joints, if equipment is on pads or other surfaces not likely to be conductive and you wish the potential of such surfaces to be at ground potential, any other situation where circumstances in the operation of the area might cause portions of the surfaces to be at a differential electrical potential from the grounded surface. It is recommended that all personnel also have the necessary personal ground protection devices appropriate to the area's use.

TESTING

Once the surface has been installed, as part of the installation, factory trained technicians will conduct statistically valid checks across the floor surface and from the floor surface to each ground point to determine if the surface will meet the ESD parameters. The technicians are fully trained and certified to properly carry out the necessary point-to-point (PTP) and resistance-to-ground (RTG) testing which comply with the Industry Accepted Standards of EOS-ESD S7.1. The tests are typically 6-10 PTP tests, conducted with electrodes 3 feet apart, in each 1000 sq ft area. Resistance-to-ground tests are also made in a similar fashion. The values so obtained should fall within the ESD parameter of the material - $10^4 - 10^6$ ohms²max/cm² at 40% relative humidity. Any area(s) not in compliance shall be repaired and/or recoated or re-grounded as required so as to meet compliance. It is recommended that the testing be done not less than 24 hours after the coating is applied, but within thirty days of coating application. A report of the results obtained shall be sent to the installer and owner of the facility and/or general contractor as appropriate.

RECOATING

#1300 ESD is especially easy to recoat similar to the #1300 system. Clean the surface being especially careful to thoroughly degrease the surface, and apply another coat of #1300 ESD. Recoating intervals are a function of area usage and wear and must be judged by the user. Recoating should always be followed by ESD compliance testing and recertification.