

ESD Epoxy Coating

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DESCRIPTION:

Our ESD Epoxy Flooring System contains conductive components to provide dissipation of static electricity. This system complies with EOS/ESD association test standard 7.1 with 10^5 - 10^9 ohms resistance. These coatings also meet the requirements of the National Fire Protection Code (NFPA-56A) to eliminate ignition hazards by bleeding off static electrical charges. Applicability includes defense facilities, clean rooms, computer and data processing, robotics, pharmaceutical manufacturing, packaging and testing facilities. The Conductive Flooring Systems are distinguished for their high durability, abrasion resistance and use where static electricity and spark resistance must be controlled.

GENERAL APPLICATIONS:

- 1) Removal of Old Coating:** In the case where a plant has an old urethane coating; a power scraper is employed to quickly and thoroughly remove the urethane. Eliminating the need for harsh chemical strippers.
- 2) Power Blasting:** This cleans and opens the pores of the concrete to insure maximum adhesion when the new flooring is applied. The clean, water and chemical free method of surface preparation provides an ideal profile for epoxy coating. This step

also helps to remove any deteriorating sections of the concrete floor to ensure years of trouble free flooring.

Typical Product Characteristics

Solids.....	100%
Pot Life.....	20-60 minutes
Cure Time Set.....	2-4 Hours
Hard.....	8-72 Hours
Full Strength: 1 week depending on temperature	
Density Appx... $1\frac{3}{8}$ #/sq. ft. at $\frac{1}{8}$ " thick	
Hardness (Ames).....	60 plus
Shrinkage.....	0.0%
Modules of Flexibility (P.S.I.)....	6200
Shear Bond Strength.....	>500 p.s.i.
Tensile Strength.....	2000-2500 p.s.i.
Comp. Strength....	12,000-15,000 p.s.i.

- 3) Priming the Prepared Floor:** A high quality, two component, epoxy primer reinforces the concrete and provides a strong bonding surface for the Epoxy overlay. This step will help to stop any deterioration of the concrete floor by stabilizing the area with a coating stronger than the concrete floor itself.
- 4) Coating the Floor:** The final coat process seals the floor for greater durability, and easy maintenance. Because this coating process becomes a part of the concrete floor, any future recoats needed, will be a simple process.

