ESD - ELECTRO STATIC DISSIPATIVE

FLOORING SYSTEMS



Typical uses:

- Clean Rooms
- Automated Assembly Areas
- Computer Control Rooms
- Electronic Assembly Areas
- Storage Areas
- Electronic Manufacturing Plants
- Packaging Plants
- AGV Warehouses

Uncontrolled static discharge can disrupt the function of your business, costing you both time and money. Dur-A-Flex® offers three Electro-Static Dissipative floor systems, each designed to dissipate the static charge caused by the movement of people, equipment, and high-speed manufacturing and assembly equipment. These systems, Dur-A-Gard ESD, Armor-Stat ESD and Cryl-A-Stat ESD have the ability to ground out static charges and prevent static events from occuring.

Dur-A-Flex's safe and dependable ESD flooring systems have been designed with you and your facility needs in mind, preventing static charges from interrupting your flow of production and on-time delivery of products to your customers. Each system provides you with a durable, seamless, non-porous and easy to clean floor designed to meet your most demanding electronics manufacturing and automated assembly requirements.

Dur-A-Gard ESD

An epoxy-based ESD system offering low odor with a smooth finish. Good abrasion and chemical resistance in a two-component system.

Armor-Stat ESD

An epoxy-urethane ESD system offering superior abrasion and chemical resistance makes it one of the longest-wearing ESD floor systems available in the industry. The three-step system offers our highest static protection from primer through urethane topcoat. Excellent UV resistance ensures consistent color throughout the life of the floor.

Cryl-A-Stat ESD-401

A methyl methacrylate-based acrylic (MMA), this ESD floor sealer is used over standard MMA floor systems offering a quick, one-hour cure for fast installations. Excellent UV resistance provides consistent color stability.

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Physical Properties

Properties	Dur-A-Gard ESD	Armor-Stat ESD	Cryl-A-Stat ESD-401
Resin Type	Epoxy	Epoxy/Urethane	Methyl Methacrylate (MMA)
% Solids	100%	70%	100%
Surface Resistance, ASTM D-257	10^6-10^9 ohms/square	10^6-10^9 ohms/square	10^6-10^8 ohms/square
Static Decay, Mil-Std-3010, Method 4046	0.01 seconds	0.01 seconds	
Body Voltage Generation (w/ dissipative footwear), ESD STM 97.2	14v	14v	
Abrasion Resistance, ASTM D-4060	40 mg loss	5 mg loss	29 mg loss
UV Resistance	Standard	Excellent	Excellent
Coefficient of Friction, ASTM D-2047	0.7	0.6	0.5
Cure Time, Touch Dry at 68° F	8-10 hours	8-10 hours	45 minutes
Cured Film Thickness	24 mils	28 mils	45 mils
VOC Content	7.4 g/L	10 g/L	65-75 g/L
LEED® Credit Eligible	Yes	Yes	Yes

Standard Colors

Dur-A-Gard ESD (Epoxy) and Armor-Stat ESD (Epoxy/Urethane)

Cryl-A-Stat ESD-401 (MMA only)

Arctic Grey | Medium Grey | Slate Grey | Smoke Blue | Beige | Silver Grey

The samples shown are only close approximations and should not be used for specification purposes. No special colors available. Contact Dur-A-Flex to obtain actual samples for best color selection.