ACL Staticide®

Staticide® 6300 ESD Safety Shield

Advanced Dissipative Static Control



Staticide® ESD Safety Shield is made of a proprietary blend of conducting polymers, making the coating inherently dissipative regardless of ambient relative humidity. Available in liquid and in a convenient aerosol spray, Staticide® ESD Safety Shield is suitable for use in ESD controlled environments where contamination is a concern and anywhere static interferes with production assembly. This durable polymer formula provides dependable protection by allowing static to dissipate safely without wearing off or losing resistivity, unlike surfactants. Staticide® ESD Safety Shield coating can be cured at ambient temperatures or accelerated with low heat.

Intended for indoor use, Staticide® ESD Safety Shield is a simple to use, one-part, water-based system, ideal for plastic parts and packaging, electronic housings, conveyor parts, bins, shelving, on objects in electronic assembly work areas and is flexile enough for soft plastics like tubing, clamshell protective packaging, carrying trays, and lids, and more to prevent static buildup and maintain ESD safety. Whether applied by spraying, flow coat, dipping, or foam brush, the coating will be translucent without appearing "milky" and will adhere to many plastics without any specialty cure or treatment, and without chipping or peeling.

Staticide® ESD Safety Shield aerosol has low VOCs and no CFCs. It is RoHS compliant and meets ANSI/ESD S20.20 standards.

FEATURES:

- **Surface resistivity of 10e6 to 10e9 ohms/sq. regardless of humidity**
- **Water-based acrylic coating**
- **Translucent, not "milky" - 93-96% T measured by UV spectra**
- **Adheres to most plastics, glass, and metal**
- **Compliant with ANSI/ESD S20.20 and MIL B-81705**
- **Can be applied via spray, flow coat, dipping, or foam brush**
- **Ambient cure**
- **RoHS and REACH compliant**
- **No silicone, chlorides, other contaminants**
- **Coverage (flow coat) approx. 600 sqft / gallon @ 1.5 mil dry**

Directions:

Pretreatment: Clean surface of dust, oil, and other contamination with isopropyl alcohol to prevent specking. Test surface before use. Optionally, preheat parts to 140-175°F (60-79°C) for better coverage.

Application: Ideal conditions for applying coating is 60-75°F (15-23°C) and 30-40% RH. Apply coating using a HVLP sprayer, polyurethane foam brush, flow-coating system, or by dipping.

Allow 2 hours to dry to touch in ideal ambient conditions, with 7 days required for a full cure. Forced-air drying between 175-195°F (79-90°C) for 15–30 minutes can be done in an oven. Features such as screw or tap holes should be machined after treatment. Clean applicator tools or sprayer tip with water immediately after use. Maintain coated surface with Staticide® 6001 Mat & Table Top Cleaner. To remove cured Safety Shield, use acetone or methyl ethyl ketone.

Product #6300S: 4 oz bottle
Product #6300Q: 1-quart bottle
Product #63001: 1-gallon bottle
Product #63005: 5-gallon pail

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ACL, Inc. has been certified by DQS Inc. to ISO-9001 : 2015
Certificate NO. 10002746