

ACL Staticide®

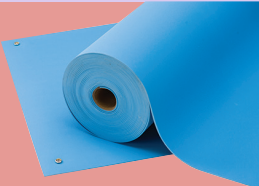
ANTI-STATIC COATINGS



ESD PACKAGING



ESD WORKBENCH



ESD WEARABLES



STATIC CONTROL FLOORING



STATIC CONTROL INSTRUMENTS



PCB BASICS



CONTAMINATION CONTROL





Providing Static Control for Over 50 Years

ACL Staticide® has been a trusted supplier to electronics manufacturers for over 50 years. Our products are used in diverse industries such as automotive, avionics, medical device, plastics, and telecommunications.

Whether it's static control products for ESD Protected Areas, contamination control products for critical environments, or preparation products for PCB rework, repair, and prototyping, our products are recognized for performance, quality, and innovation. ACL Staticide stands behind its pledge to deliver only the best with each and every product.

Our comprehensive family of products gives technicians and industry experts the edge they need to deliver exceptional results. Staticide static control products restrict static charges in manufacturing operations, while our ESD wearables ensure safety for team members. ACL's PCB surface preparation products provide critical cleanliness in prototyping and rework areas, and our popular contamination control products provide all-purpose performance in virtually every industrial setting.

Committed to producing and distributing products that comply with ever-changing domestic and international standards, ACL Staticide is abreast of all standards and regulations. We support RoHS and REACH objectives to improve the protection of human health and the environment. It is our policy to provide products that are safe to use and environmentally acceptable and to communicate and classify our chemical products according to UN and OSHA GHS rules.

When it comes to protecting your critical work environments, we've got you covered with our array of products.

- ✧ Static Control
 - ✧ Anti-Static Coatings
 - ✧ ESD Packaging
 - ✧ ESD Workbench
 - ✧ ESD Wearables
 - ✧ Static Control Flooring
 - ✧ Static Control Instruments
- ✧ PCB Basics
 - ✧ Anti-Static Cleaners
 - ✧ Flux Removers
 - ✧ Component Protection Products
 - ✧ Conformal Coatings
- ✧ Contamination Control
 - ✧ Presaturated and Dry Wipes
 - ✧ Critical Cleaning Swabs

For a complete inventory of our products, product and safety data sheets, application guidelines, and a list of domestic and international distributors, visit our website at www.aclstaticide.com.

TABLE OF CONTENTS

ANTI-STATIC COATINGS



Staticide Topical Anti-Stats	4
Staticide ESD Safety Shield	6

ESD PACKAGING



Metal-In Shielding Bags	7
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ESD WORKBENCH



Dissipative Worksurface Material	8
Grounding Hardware	10
ESD Workbench Essentials	11

ESD WEARABLES



Finger Cots and Gloves	12
Wrist Straps	13
Heel Grounders	14

STATIC CONTROL FLOORING



ESD Paint	15
ESD Floor Finishes	16
Conductive Floor Material	17

STATIC CONTROL INSTRUMENTS



Resistance Meters	18
Probes, Field Meter	19
Personal Grounding Testers	20

PCB BASICS



Flux Removers	22
Conformal Coatings	23
PCB Essentials	24

CONTAMINATION CONTROL



Dry Wipes	26
Sanitizing Products	28
Swabs	29



ANTI-STATIC COATINGS



#3000G

3000 STATICIDE® ORIGINAL CONCENTRATE

Staticide, the original anti-static concentrate, is the key ingredient in many ACL anti-static solutions. Once diluted with water or isopropyl alcohol, it eliminates a host of static control problems - especially in the electronics, textiles, and plastics industries. Staticide Concentrate saves freight, handling, and storage costs while offering greater flexibility in dilution. Mix in the following concentrate-to-solvent ratios to obtain these Staticide formulations:

- ❖ Heavy Duty Staticide® - 1 to 39 (1 part Staticide® to 39 parts solvent)
- ❖ General Purpose Staticide® - 1 to 99 (1 part Staticide® to 99 parts solvent)
- ❖ Flammable
- ❖ Made in the USA

Product #3000Q: Quart bottle
 Product #3000G: Gallon bottle
 Product #3000D: 50-gallon drum



#3030G

3030 STATICIDE® 30 CONCENTRATE

Staticide 30 contains zero nitrates and zero chlorides. This formula can be used for many applications but is designed for shielded bag manufacturing. No special storage cabinet is necessary as the concentrate is not flammable.

- ❖ Dilution: 1 to 99 (1 part Staticide 30 Concentrate to 99 parts water or isopropyl alcohol)
- ❖ Made in the USA

Product #3030Q: Quart bottle
 Product #3030G: Gallon bottle
 Product #3030D: 50-gallon drum



#SW12

SW12 STATICIDE® WIPES

Staticide wipes are the ideal anti-static applicator for keeping electronics and equipment clean and static-free. Staticide wipes have the same long-lasting protection against static as our Staticide topical liquids, but offer a one-step cleaning and static control solution.

- ❖ Ideal for use on hard surfaces such as plastic, non-painted metal, and glass
- ❖ Long-lasting, non-toxic, biodegradable
- ❖ Help prevent dust buildup
- ❖ One-step cleaning and static control
- ❖ Safe for all electronic equipment
- ❖ Help prevent system interruptions and static discharge shocks
- ❖ Made in the USA

Product #SW12: 5" x 8" individually wrapped wipes / 24 wipes per box / 12 boxes per case

ANTI-STATIC COATINGS



HEAVY DUTY STATICIDE®

This anti-static topical is ready-to-use or in specialty cases, used as a concentrate diluted with isopropyl alcohol. When used alone, Heavy Duty Staticide is ideal for eliminating static on porous surfaces like carpet, foam, and upholstery. Also use for cleaning industrial parts like conveyor systems to control static and for preventing jamming or slipping of materials during printing, packaging, or converting. This product prevents ignition of combustible vapors, dust, or solvents, causing fire or explosion.

For plastics, dilute 1 to 1.5 (1 part Heavy Duty Concentrate to 1.5 parts isopropyl alcohol), to achieve superior wetting and quicker dry times.

- ✳ For porous surfaces and heavy-duty applications
- ✳ Eliminates tribogeneration and static attraction on carpeting and fabrics
- ✳ Effective in humidity as low as 15% rH
- ✳ Decays static in less than 2 seconds
- ✳ Made in the USA

Product #2005: Quart bottle / 12 quarts per case (includes trigger sprayer)
Product #2002: Gallon bottle / 4 gallons per case
Product #2002-5: 5-gallon pail
Product #2002-2: 50-gallon drum



#2002 / #2005

GENERAL PURPOSE STATICIDE®

This convenient and ready-to-use anti-static topical cleaner eliminates static to a zero charge and prevents tribogeneration on non-porous surfaces such as plastic materials and product packaging. General Purpose Staticide solves static-related problems by removing the attraction of dirt, dust, and air-borne germs to environmental surfaces.

A versatile maintenance product, it is essential for eliminating seasonal problems due to static in manufacturing, shipping, or in the office. It is highly effective on tote boxes and carriers used to process and store electronic components and equally effective on office equipment to prevent glitches, data errors, and paper jams.

- ✳ For non-porous surfaces
- ✳ Eliminates tribogeneration and static attraction on plastics
- ✳ Effective in humidity as low as 15% rH
- ✳ Decays static in less than 2 seconds
- ✳ Made in the USA

Product #2003: Quart bottle / 12 quarts per case (includes trigger sprayer)
Product #2001: Gallon bottle / 4 gallons per case
Product #2001-5: 5-gallon pail
Product #2001-2: 50-gallon drum



#2001 / #2003

STATICIDE® STATIC SENTRY

Staticide Static Sentry uses the same Staticide surfactants that are used in the Staticide topicals, but is packaged in an aerosol can for easy application and convenience.

- ✳ Solvent-based; dries more quickly than water-based topicals
- ✳ Aerosol allows for fine mist application
- ✳ Use on trays, tote bags, dip tubes, storage bins, packaging, and film
- ✳ Easily applied on walls, ceilings, carpets, fixtures, conveyor belts, clothing, and equipment
- ✳ Made in the USA

Product #2006: 12oz (340g) can / 12 cans per case



#2006

(800) 782-8420



(847) 981-9212



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ANTI-STATIC COATINGS

STATICIDE® CLEAN ROOM

Staticide Clean Room is an economical topical formula that is sodium- and chloride-free. When applied correctly, it decays static in less than two seconds. It eliminates static electricity on floors, chairs, worksurfaces, glass, plastics, and other static-prone materials.

- ✧ Filtered to less than 0.5 microns
- ✧ Bacteriostatic
- ✧ Non-toxic and non-corrosive
- ✧ No powdering or outgassing
- ✧ Sodium- and chloride-free
- ✧ Suitable for Class 100 and above industrial cleanrooms
- ✧ Bottle is non-outgassing and anti-static
- ✧ Bottle ink will not chip or flake
- ✧ Made in the USA



#5001

Product #5001: Quart bottle / 12 quarts per case (pour top)

ESD SAFETY SHIELD

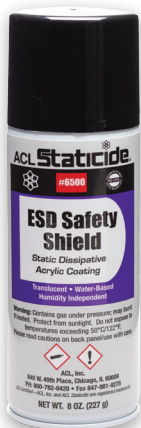
ESD Safety Shield is a dissipative water-based acrylic coating designed to apply on common plastics such as acrylic, PET, PETG, PVC, and polycarbonate. Curing applications can be done at ambient temperatures or accelerated through low heat. This product is ideal for plastic parts, electronic housing, bins, clamshell packaging, and shelving to prevent static buildup and maintain ESD safety standards. The product is available in quart and gallon bottles and in a convenient and economical aerosol container. A heavy spray application is sufficient for optimum electrical performance.

- ✧ Translucent without appearing “milky”
- ✧ Adheres to a variety of plastics without chipping or peeling
- ✧ No silicone or chlorides; RoHS compliant
- ✧ Meets ANSI/ESD S20.20 for static dissipation
- ✧ Can be applied via flow coat, dipping, foam brush, or spray
- ✧ Apply to tubing, clamshell packaging, carrying trays, viewing ports
- ✧ Special formulations available for lower resistance and complex plastics
- ✧ Coverage: foam brush - 1500 sq. ft. per gallon @ .5 mil dry
- ✧ Coverage: flow coat - 600 sq. ft. per gallon @ 1.5 mil dry
- ✧ Surface resistance: 10^6 – 10^9 ohms/square average
- ✧ Made in the USA



#6300-1 / #6300-Q

Product #6300-Q: Quart bottle
 Product #6300-1: Gallon bottle
 Product #6500: 8oz can



#6500

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METAL-IN SHIELDING BAGS

ACL'S Shielding Bags safeguard sensitive components from electrostatic discharge. The static dissipative metalized bag is designed to act as a Faraday cage to shield static-sensitive electronic devices. The three-layer bag, comprised of static dissipative polyethylene (inner), aluminum (middle), and static dissipative polyester (outer), provides heavy-duty protection from damaging electrostatic discharge. While the low-charging inner and outer layers prevent tribocharging, when combined with the metal inner layer, a protective shield is created. ESD-sensitive materials can be stored or shipped in a static-safe environment. Staticide Shielding Bags are available in two styles — open-top and resealable zipper — and multiple sizes. Open-top bags are effective for quick loading and emptying, while bags with resealable zippers are reusable and provide a more complete Faraday protection. Both models feature superior metal-in protection from electrostatic discharge and are ideal for electronics manufacturing and assembly, aerospace, automotive, transportation, and packaging applications.

- ✱ 3 mil thickness (according to ASTM D3784)
- ✱ Surface resistance (outside and inside) < 10^{11} ohms (EOS/ESD S11.11)
- ✱ Static shielding <15nJ (ANSI/ESD-STM-11.31)
- ✱ Meets ANSI/ESD S541
- ✱ Metalized within layers
- ✱ ESD awareness logo on every bag
- ✱ Date-coded for traceability
- ✱ RoHS compliant

Open Metal-In Shielding Bags

Product #MI35:	3" x 6"
Product #MI46:	4" x 6"
Product #MI58:	5" x 8"
Product #MI68:	6" x 8"
Product #MI610:	6" x 10"
Product #MI810:	8" x 10"
Product #MI812:	8" x 12"
Product #MI1012:	10" x 12"
Product #MI1216:	12" x 16"
Product #MI1218:	12" x 18"
Product #MI1824:	18" x 24"

100 bags per pack, 5 packs per case



Resealable Metal-In Shielding Bags

Product #MIZ35:	3" x 5"
Product #MIZ46:	4" x 6"
Product #MIZ58:	5" x 8"
Product #MIZ68:	6" x 8"
Product #MIZ1012:	10" x 12"

100 bags per pack, 5 packs per case



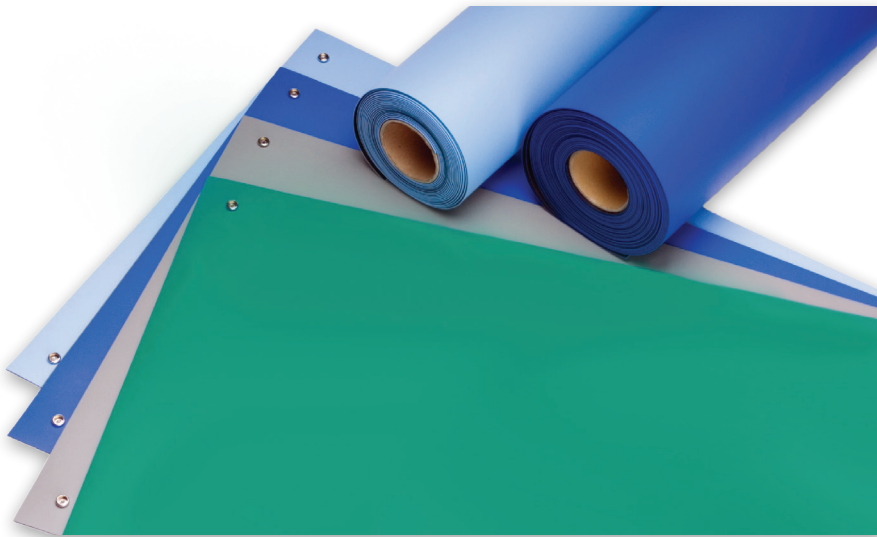
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DUALMAT® Static Dissipative Two-Layer Rubber

ACL's dissipative mats conform to strict ESD requirements and meet electrical and environmental industry standards including RoHS and ANSI/ESD S20.20. Dualmat is a heavy-duty, ESD-safe rubber material. This two-layer, industrial-grade elastomer is dissipative on the top or colored side and conductive on the bottom side. The chemically cross-linked bonding process prevents delamination. The soft textured surface offers comfortable protection from static discharge, parts slippage, and UV light damage. Rapid and safe drain allows static to decay in .05 seconds. Dualmat is suitable for use in cleanrooms due to low outgassing and VOC.

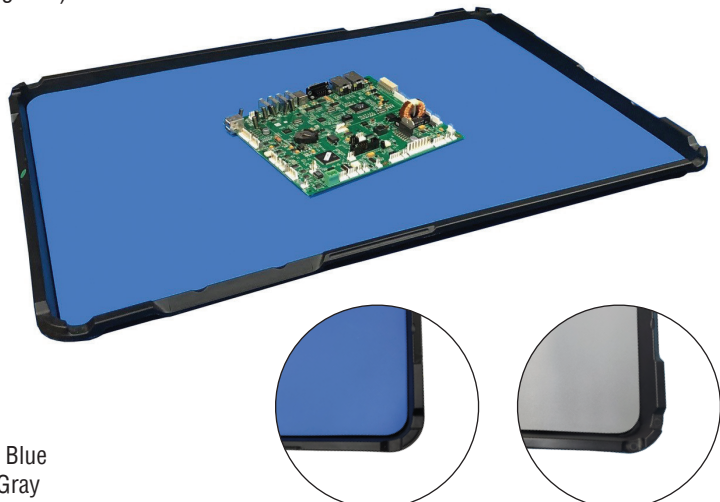
This heavy-duty, ESD-safe rubber material is also available in durable tray liners with rounded edges (without snaps).

- ✧ Resistance point-to-point as per STM4.1 averages 10^6 – 10^8 ohms
- ✧ Resistance surface-to-ground as per STM 4.1 averages 10^6 – 10^8 ohms
- ✧ Two-layer; conductive bottom, dissipative top
- ✧ Thickness: .06" (1.5mm) and .08" (2mm)
- ✧ 40' rolls available in 24", 30", and 36" widths
- ✧ Available in pre-cut sizes with two 10mm female snap sockets installed
- ✧ 2mm mats available in light blue, green, royal blue, and dark gray
- ✧ 1.5mm mats available in royal blue and dark gray
- ✧ Customization such as rounded corners and special sizes are available
- ✧ Grounding hardware is available separately (see page 10)

Roll: Product #8085BR:	.08" (2mm) Light Blue
Mat: Product #8085BM:	.08" (2mm) Light Blue
Roll: Product #8185GR:	.08" (2mm) Green
Mat: Product #8185GM:	.08" (2mm) Green
Roll: Product #8285RBR:	.08" (2mm) Royal Blue
Mat: Product #8285RBM:	.08" (2mm) Royal Blue
Roll: Product #8385DGYR:	.08" (2mm) Dark Gray
Mat: Product #8385DGYM:	.08" (2mm) Dark Gray

Roll: Product #7275RBR:	.06" (1.5mm) Royal Blue
Mat: Product #7275RBM:	.06" (1.5mm) Royal Blue
Roll: Product #7375DGYR:	.06" (1.5mm) Dark Gray
Mat: Product #7375DGYM:	.06" (1.5mm) Dark Gray

Product #7275RBM2416RE: 24" x 16" x .06" (1.5mm) Royal Blue
Product #7375RBM2416RE: 24" x 16" x .06" (1.5mm) Dark Gray



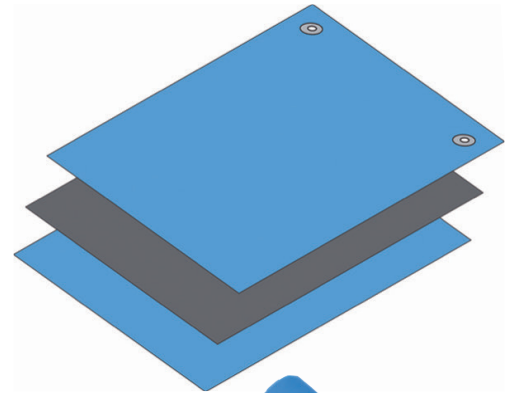


TRIMAT THREE-LAYER ESD MATTING

TriMat dissipative work surface material is a cross linked rubber with inherent electrical properties. With a conductive middle layer sandwiched between two dissipative layers, TriMat lays flat and delivers a soft cushion of ESD protection.

- ✧ Royal blue dissipative top and bottom
- ✧ Conductive black middle
- ✧ Triple layer; .118" (3mm) thickness
- ✧ Appropriate for facilities following ANSI/ESD S20.20
- ✧ Pre-cut mats include two 10mm female snaps

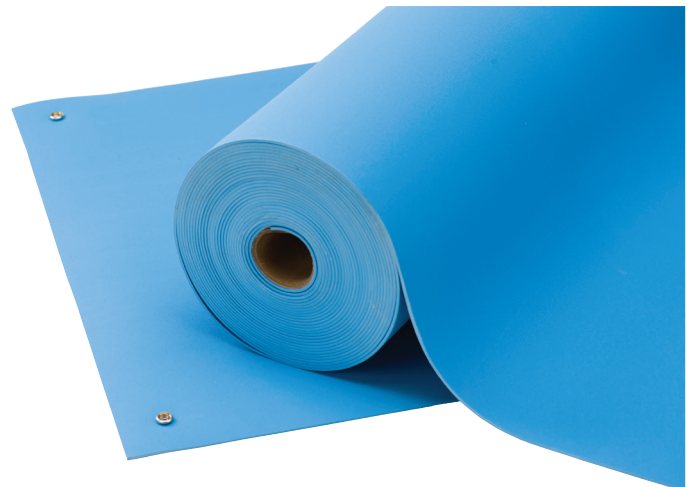
Roll: Product #6265RBR2432: 24" x 32" x .118" (3mm)
 Mat: Product #6265RBM2436: 24" x 36" x .118" (3mm)



SPECMAT-H HOMOGENEOUS STATIC DISSIPATIVE VINYL

SpecMat-H is a static dissipative, homogeneous worksurface material. The thermoplastic vinyl material is inherently dissipative throughout. This ESD-safe table mat material offers high value at the lowest cost. The thicker material is ideal for extra cushioning. The single layer is suitable for assembly work where constant monitors are not used. The material is 100% recyclable.

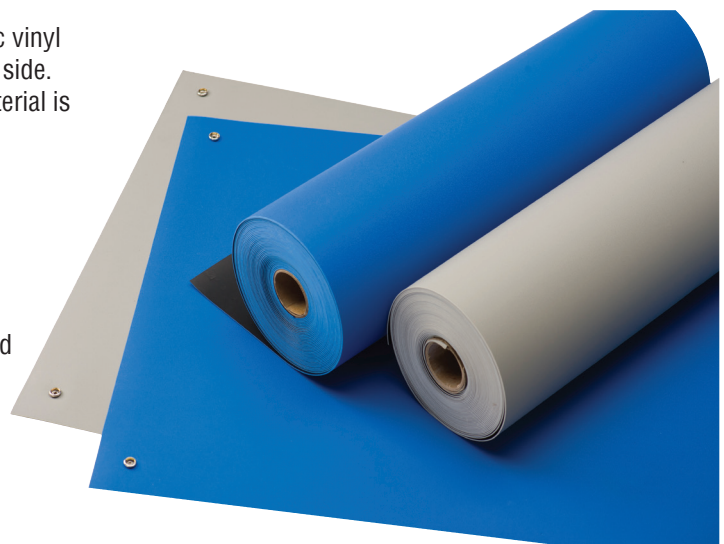
- ✧ Resistance point-to-point as per STM 4.1 averages 10^8 – 10^9 ohms
- ✧ Resistance surface-to-ground as per STM 4.1 averages 10^8 – 10^9 ohms
- ✧ Available in #62 light blue
- ✧ 40' rolls available in 24", 30", and 36" widths
- ✧ Available in two thicknesses: 1.6mm or 2.54mm
- ✧ Available in pre-cut sizes with two female 10mm snap sockets installed
- ✧ Customization such as rounded corners and special sizes available
- ✧ Made in the USA



GEMINI STATIC DISSIPATIVE VINYL

Gemini static dissipative work surface material is a two-layer thermoplastic vinyl that is inherently dissipative on the top side and conductive on the bottom side. This ESD-safe table mat material offers high value at a lower cost. The material is 100% recyclable.

- ✧ Resistance point-to-point as per STM 4.1 averages 10^6 – 10^8 ohms
- ✧ Resistance surface-to-ground as per STM 4.1 averages 10^6 – 10^8 ohms
- ✧ Two-ply; .065" (1.65mm) thickness
- ✧ Available in two colors: #58 light gray and #59 royal blue
- ✧ 50' rolls available in 24", 30", and 36" widths
- ✧ Available in pre-cut sizes with two female 10mm snap sockets installed
- ✧ Customization such as rounded corners and special sizes available
- ✧ Made in the USA



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ESD WORKBENCH

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#972015



#972618

STATICIDE® CONDUCTIVE TRAYS

ACL's conductive trays provide ESD protection for static-sensitive electronic components during handling and transportation. Stackable and durable, they have excellent abrasion resistance and can withstand chemical damage. Made from smooth fiberglass polypropylene with conductive additives, these trays will not outgas or lose electrical properties even after washing. Meeting both ANSI/ESD S20.20 and European IEC 613450-5-1 guidelines, electrical components and assemblies can be transported safely.

- ✧ Resistant to abrasion and chemicals
- ✧ Temperature range: 40°F to 225°F (5°C – 107°C)
- ✧ Conductive: less than 10^6 ohms RTT, RTG, Vol R
- ✧ RoHS3, REACH compliant

Product #972015: 20" x 15" x 1"

Product #972618: 26" x 18" x 1"

GROUNDING HARDWARE

ACL's ground cords connect dissipative mat materials to an earth grounding point. Suitable to use with static dissipative matting materials that have a 10mm female snap installed, each style comes equipped with 10' coated high-strength tensile wire, 10mm male stud, and 1 megohm resistor.



#8090

#8090 Mat Ground Cord

- ✧ Simple and clean connection between mat and ground source
- ✧ 10mm male stud built into low profile, dome-style molded head



#8091

#8091 Common Point Ground

- ✧ Equipped with two banana jack plug-ins
- ✧ Ideal for wrist straps, meters, and constant monitors



#8092

#8092 Bench Mount

- ✧ Attaches under workstations
- ✧ Provides wrist strap parking system with two banana jacks



#8094

#8094 Universal Grounding Cord

- ✧ All-purpose ground cord with four ground point adapters
- ✧ Includes alligator clip, terminal lug, 10mm stud-to-socket stack snap, extra 10mm stud-stack snap
- ✧ Equipped with 10' heavy-duty cable, 1-meg resistor, and banana-to-10mm socket

#8010PK / #8025PK



Snap Fastener Kit

- ✧ Includes 10mm female socket and eyelet
- ✧ Attaches ground cords with 10mm male stud

#8010PK includes 10 pairs

#8025PK includes 25 pairs



MAT & TABLE TOP CLEANER

ACL's popular anti-static, non-abrasive cleaner can be applied on just about any surface. Leaving no film, it is ideal for general use on workstations, tabletops, and anti-static mats. Without degrading anti-static properties, this non-streaking, non-flammable cleaner effectively removes flux residues, oily finger marks, grease, nicotine, dirt, grime, and inorganic contaminants.

- ✿ Eliminates unsightly film or other residue that may build up on static-sensitive areas
- ✿ Maintains original surface resistivity of anti-static mats and workbenches
- ✿ Cleans, rejuvenates, and extends the life of ESD mats
- ✿ Contains no alkali or ammonia
- ✿ Designed for production areas including assembly, testing, and spaces where sensitive electronic components are handled

Product #6001S:	2oz bottle / 24 per case (includes finger pump)
Product #6001:	Quart bottle / 12 per case (includes trigger sprayer)
Product #6002:	Gallon bottle / 4 gallons per case
Product #6001-5:	5-gallon pail
Product #6001-2:	50-gallon drum



#6002 / #6001

STATICIDE® ESD STATIC DISSIPATIVE WASTEBASKET

This static dissipative, high-impact, non-black container is made of a high-density polyethylene. It contains no carbon, dyes, or additives, making it ideal for all applications demanding cleanliness. This container will not tribogenerate static. The wastebasket is ideal for cleanrooms, manufacturing, inspection, quality control, and research industries. The container may be used alone or with ACL's wastebasket liners.

- ✿ Size: 13" diameter x 21.75" high (11 gallons)
- ✿ Non-outgassing
- ✿ Permanently dissipative
- ✿ Safe to use in solvent areas
- ✿ Cleanroom and environmentally safe

Product #5075: 11-gallon wastebasket / 5 wastebaskets per case



#5075

ANTI-STATIC WASTEBASKET LINERS

These roomy, single-layer polyethylene, anti-static trash can liners are humidity independent and amine-free. The average resistance of the liners is 10^{10} ohms. Static decay rate is less than two seconds per Mil-B-81705D Type II-Federal test method 101C method 4046.

- ✿ Medium liners fit in 11-gallon containers (#5075 Wastebasket)
- ✿ Medium-size liner thickness: 1.5 mil
- ✿ Extra-large liners fit in 40 to 45-gallon containers
- ✿ Extra-large liner thickness: 2 mil

Product #5076:	Medium 24" x 36" Pink liner / 50 bags per case
Product #5076B:	Medium 24" x 36" Black liner / 50 bags per case
Product #5078:	Extra-Large 40" x 46" Pink liner / 25 bags per case
Product #5078C:	Extra-Large 40" x 46" Pink liner / 100 bags per case



#5076



#5076B

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ESD WEARABLES



#70LA

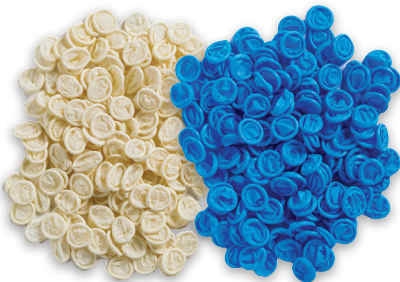
#80LA

LATEX ESD FINGER COTS

For economical static protection, ACL's Latex ESD Finger Cots protect boards from ESD and contaminants such as skin salts, oils, and particulates. While anti-static pink latex is commonly recognized for being effective for static control, black latex offers added security for those specifying mid-range static dissipation. Washed and powder-free, the inherent elasticity of latex allows for a comfortable fit that is easy to wear.

- ✧ Powder-free / ISO 5 / Class 100 Cleanroom
- ✧ 70LA 10^{10} ohms RGP as per ANSI-ESD SP15.1 when using CAFE method
- ✧ 80LA 10^7 ohms RGP as per ANSI-ESD SP15.1 when using CAFE method
- ✧ Available in sizes small, medium, large, and extra large

Product #70LA: Pink; 720 cots per pack
Product #80LA: Black; 720 cots per pack



#90NI

#100NI

NITRILE ESD FINGER COTS

ACL's Nitrile ESD Finger Cots take the worry away for those with latex allergy issues while offering protection against skin and oil contamination. Since nitrile is resistant to many chemicals, it will not dissolve under chemical contact. The inherently anti-static nature of nitrile also offers natural static control without carbon shedding. For EPAs where cleanliness is a concern, blue does not expose as much handling soils. For companies using both non-ESD and ESD finger cots, ACL offers white finger cots to differentiate ESD protection.

- ✧ Powder-free / ISO 5 / Class 100 Cleanroom
- ✧ 10^9 ohms RGP as per ANSI-ESD SP15.1 when using CAFE method
- ✧ 3 mil thickness
- ✧ Available in sizes small, medium, large, and extra large

Product #90NI: White; 720 cots per pack
Product #100NI: Blue; 720 cots per pack



#GL9NI / #GL12NI

NITRILE ESD GLOVES

ACL's Nitrile ESD Gloves safeguard against damage caused by static discharge and contamination. The inherently anti-static nature of nitrile also offers natural static control without carbon shedding. For EPAs where cleanliness is a concern, these disposable gloves are manufactured without plasticizers, silicone, or powders.

- ✧ Powder-free / ISO 5 / Class 100 Cleanroom
- ✧ Consistently low particulates and extractable ion levels
- ✧ 10^9 ohms RGP as per ANSI-ESD SP15.1 when using CAFE method
- ✧ 6 mil thickness
- ✧ Available in sizes small, medium, large, extra large, and double extra large.

Product #GL9NI: 100 individual 9" gloves per pack; 5 packs per case
Product #GL12NI: 100 individual 12" gloves per pack; 5 packs per case



#GLKT

KNIT ESD GLOVES

ACL's Knit ESD Gloves protect against static discharge without sacrificing ergonomic performance making them ideal for detailed assembly and inspection work. This washable and reusable, seamless-knit constructed glove is available with and without polyurethane fingertips.

- ✧ Blended nylon-conductive carbon yarn
- ✧ Low moisture absorption
- ✧ GLK 10^7 ohms RGP as per ANSI-ESD SP15.1 when using CAFE method
- ✧ GLKT (with tips) 10^8 ohms RGP as per ANSI-ESD SP15.1 when using CAFE method
- ✧ 6 mil thickness

Product #GLK: 6 pairs per pack; 6 packs per case
Product #GLKT: with tips; 6 pairs per pack; 6 packs per case



WRIST STRAPS

ACL'S Adjustable wrist straps offer comfortable and secure personal grounding for working on electronics in EPAs. Once connected to ground, they provide a safe path for eliminating static charges. Each strap is equipped with a flip and grip buckle for secure adjustments. Wrist straps are available in four models for various short- and longer-term applications and special environments, including military defense. The premium model offers a double thick strap to ensure outer layer insulation. The hypoallergenic model features a flat plastic cover to prevent allergic reactions. All wrist straps are RoHS compliant, designed to use with ACL cords, and sold in packs of six.

#8111



#8111 Economy Wrist Strap

- ✧ Recommended for occasional wear
- ✧ 5 rows of double-stitched silver yarn
- ✧ 1.5mm band thickness; flat buckle back
- ✧ Dark blue

#8113



#8113 Premium Wrist Strap

- ✧ Recommended for all-day wear
- ✧ 10 rows of micro-threaded silver yarn
- ✧ 2.5mm band thickness for comfort and security; curved buckle back
- ✧ Light blue

#8115



#8115 Hypoallergenic Wrist Strap

- ✧ Recommended for all-day wear
- ✧ 10 rows of micro-threaded silver yarn
- ✧ 2.5mm band thickness for comfort, security, and contact
- ✧ Flat plastic buckle back for allergy protection
- ✧ Light blue

#8116



#8116 Camouflage Wrist Strap

- ✧ Recommended for military contractors
- ✧ 16 rows of silver yarn
- ✧ 2mm band thickness; curved buckle back
- ✧ Camouflage

#8101



#8101 Economy Wrist Strap Cord

- ✧ Lightweight
- ✧ Recommended for use with ACL Wrist Strap #8111
- ✧ 4mm Socket-to-Banana
- ✧ Includes alligator clip
- ✧ 6' cord with 1-meg ohm resistor
- ✧ Dark blue

#8107



#8107 Premium Wrist Strap Cord

- ✧ Heavy Duty
- ✧ Recommended for use with ACL Wrist Straps #8113, #8115, or #8116
- ✧ 4mm Socket-to-Banana
- ✧ Includes alligator clip
- ✧ 6' cord with 1-meg ohm resistor
- ✧ Black

(800) 782-8420



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ESD WEARABLES

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(800) 782-8420



#7001 / #7002 / #7016

STATICIDE® HI TECH HAND LOTION

Replenish the vital moisture on skin that is important to wrist strap performance. This static dissipative hand lotion is equipped to prevent and handle static discharge, especially in the electronics industry. Hi Tech Hand Lotion helps keep the skin moistened without risk of contamination. Hi Tech Hand Lotion also complies with DOD 1686A and DOD HDBK 263.

- ✧ Static dissipative
- ✧ No glycerin, silicone, lanolin, or mineral oil
- ✧ Improve wrist strap performance
- ✧ Fragrance-free

Product #7001S: 2oz squeeze tube / 24 tubes per case
 Product #7001: 8oz squeeze tube / 24 tubes per case
 Product #7016: 16oz bottle (pump top) / 12 bottles per case
 Product #7002: Gallon bottle (pump top) / 4 gallons per case

HEEL GROUNDERS AND HEEL STRAPS

ACL's Heel Grounders are ideal for personal grounding protection in ESD Protected Areas. These exceptionally durable, cup-style heel grounders are effective in providing a continuous path-to-ground between individuals and ESD-protected flooring. Easy to use and comfortable to wear, heel grounders are available in economy and premium models and fit most shoes and shoe sizes. They are sold six per pack. The Disposable Heel Strap is optimal for one-time use.



#8120

#8120 Economy Heel Grounder

- ✧ 1" form-fitting red elastic garter attached to two-layer rubber sole
- ✧ Compliant with ANSI/ESD S97.2, ESD SP9.2, ANSI/ESD S20.20, IEC 61340-5-1
- ✧ Black conductive exterior – 10⁴ ohms; white insulative interior
- ✧ 1-meg ohm resistor
- ✧ Conductive ground ribbon measuring 14.5"x .05"
- ✧ Plastic parts comprised of anti-static nylon material
- ✧ Hook and loop system with D-ring tie-down 11"x 3/4"



#8122

#8122 Premium Heel Grounder

- ✧ 1 3/8" two-layer rubber heel cup reinforced with stainless steel rivets for added conductivity, strength, and longevity
- ✧ Free of corrosion or rust when submerged 24 hours in saltwater
- ✧ Compliant with ANSI/ESD S97.2, ESD SP9.2, ANSI/ESD S20.20, IEC 61340-5-1
- ✧ Black conductive exterior – 10⁴ ohms; white insulative interior
- ✧ 1-meg ohm resistor
- ✧ Conductive ground ribbon measuring 14.5"x .05"
- ✧ Plastic parts comprised of anti-static nylon material
- ✧ Hook and loop system
- ✧ Left side velour fabric strap 8"x 3/4"
- ✧ Right side nylon crochet strap 5"x 3/4"
- ✧ 1" black elastic fabric garter



#8124

#8124 Disposable Heel Strap

- ✧ Economical solution for plant visitors and temporary workers
- ✧ Ideal for one-time use
- ✧ Anti-static, nonwoven fabric with conductive yarn for continuous path-to-ground
- ✧ High-strength adhesive prevents slippage
- ✧ Yellow and black
- ✧ 99% polyester, 1% conductive yarn
- ✧ Compliant with ANSI/ESD S20.20 and IEC 61340-5-1
- ✧ Resistance: 10⁵ ohms
- ✧ RoHS compliant
- ✧ 100 per pack



4700-SS STATICIDE® DIAMOND ESD PAINT

This carbon-loaded, water-based polyurethane coating dissipates static discharge for cost-effective static control. Designed for interior concrete floors and unfinished surfaces, this ESD paint is perfectly suited for EPA manufacturing areas, static-controlled workspaces, data centers, warehouses, and creating Faraday cages.

Use ACL 10R Primer as a sealer for concrete before applying the 4700-SS Diamond ESD Paint. This non-toxic primer dries clear and is ready-to-use. It provides enduring protection against water penetration damage on unsealed concrete. Made in the USA.

- ✿ Dark gray with satin sheen
- ✿ Static dissipative: 10^5 – 10^8 ohms when tested according to ANSI/ESD STM7.1
- ✿ Appropriate for facilities following ANSI/ESD S20.20

Product #4700-SS1: Gallon pail

Product #4700-SS5: 5-gallon pail

Product #ACL 10R-1: Sealer/Primer: Gallon pail

Product #ACL 10R-5: Sealer/Primer: 5-gallon pail

Product #8095: Grounding Strips: 2" x 12" (1.4 mil thickness)



#4700-SS

6700 ESD VINYL PAINT PLUS

This water-based acrylic vinyl coating is available in dissipative or conductive resistances. Suitable for interior concrete floors, walls, and metal and wood surfaces. Color options allow for demarcating ESD work areas and for specific applications. Made in the USA.

- ✿ Various colors available with flat matte finish
- ✿ Static dissipative: 10^5 – 10^8 ohms when tested according to ANSI/ESD STM7.1
- ✿ Static conductive: 10^3 – 10^6 ohms when tested according to ANSI/ESD STM7.1
- ✿ Appropriate for facilities following ANSI/ESD S20.20

Product #6700: Gallon pail

Product #6700: 5-gallon pail

See website for colors and part numbers



#6700

NEUTRAL CLEANERS

These anti-static cleaners are low-foaming and produce constant detergency. They can be used in all facilities, as they leave no film or streaks, and are safe for septic and sewage systems. Anti-static properties of the production environment will not be degraded with these non-abrasive cleaners. Made in the USA.

- ✿ For use on concrete, ESD tile, and painted floors
- ✿ Ideal for maintaining ESD paint
- ✿ Available in concentrate and ready-to-use

Neutral Cleaner Concentrate - Dilution ratio: 1:128 (1 part cleaner to 128 parts water)

Product #4020-1: Gallon bottle / 4 gallons per case

Product #4020-5: 5-gallon pail

Product #4020-2: 54-gallon drum

Neutral Cleaner Ready-to Use

Product #4030-1: Gallon bottle / 4 gallons per case

Product #4030-5: 5-gallon pail

Product #4030-2: 54-gallon drum



#4020 / #4030

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STATIC CONTROL FLOORING

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#4600

4600 STATICIDE® ULTRA

No other ESD floor finish can match Staticide Ultra for electrical properties, physical longevity, and gloss. Staticide Ultra utilizes the latest technology in static dissipative polymers that act on a molecular level. This enhances its static control ability and effectiveness and maximizes the stripping cycles. Made in the USA.

- ✱ Coverage: 1500 - 2000 sq. ft. per gallon (approximately)
- ✱ VOC less than 4%
- ✱ #4600 Solids : 22% ± 5%
- ✱ Provides superior abrasion performance
- ✱ Dries faster and with higher gloss intensity than other ESD finishes
- ✱ UL listed for slip resistance
- ✱ Strip cycle: 12 - 24 months
- ✱ Suitable to use on vinyl, linoleum, and ceramic tile
- ✱ Resistance RTT per ANSI/ESD STM 7.1: 10^7 – 10^9 ohms average

Product #4600-1: Gallon bottle / 4 gallons per case

Product #4600-5: 5-gallon pail

Product #4600-2: 54-gallon drum



#4000

4000 STATICIDE® ACRYLIC

Staticide Acrylic is a high-solids, low-cost method of protecting your sensitive manufacturing areas from the dangers of static buildup. It is ideal for production areas, warehousing, shipping, laboratories, and electronic repair facilities. Made in the USA.

- ✱ Coverage: 1500 - 2000 sq. ft. per gallon (approximately)
- ✱ VOC less than 4%
- ✱ #4000 Solids: 20% ± 5%
- ✱ Competitively priced
- ✱ UL listed for slip resistance
- ✱ Strip cycle: 6 - 12 months
- ✱ Suitable to use on vinyl, linoleum, and ceramic tile
- ✱ Resistance RTT per ANSI/ESD STM 7.1: 10^8 – 10^9 ohms average

Product #4000-1: Gallon bottle / 4 gallons per case

Product #4000-5: 5-gallon pail

Product #4000-2: 54-gallon drum



#4800

4800 STATICIDE® ULTRA II

Advanced acrylic polymer allows superior adhesion and static control for out-of-warranty ESD floors and other special surfaces. It does not yellow or flake and is tough to scuff. This long-life floor finish will revitalize shine and electrical properties of old ESD tile. Made in the USA.

- ✱ Coverage: 1500 - 2000 sq. ft. per gallon (approximately)
- ✱ VOC less than 4%
- ✱ #4800 Solids: 21% ± 5%
- ✱ Adheres to ESD tile
- ✱ Enhanced abrasion performance
- ✱ Strip cycle: 12 - 18 months
- ✱ Suitable to use on concrete, epoxy, ESD epoxy, and dissipative tile
- ✱ Resistance RTT per ANSI/ESD STM 7.1: 10^7 – 10^9 ohms average

Product #4800-1: Gallon bottle / 4 gallons per case

Product #4800-5: 5-gallon pail

Product #4800-2: 54-gallon drum



4100 STATICIDE® RESTORER CLEANER

Staticide Restorer Cleaner renews gloss and prolongs strip cycles on dissipative floor finishes. Using a special conductive ingredient, Staticide Restorer cleans while simultaneously breaking down electrical discharge. This non-abrasive, biodegradable formula does not contain harmful chemicals like ammonia, phosphates, or alkali. It is tough enough to remove black heel marks, yet gentle enough to return floors to safe specifications. Made in the USA.

- ✱ Coverage: 1000 - 1500 sq. ft. per gallon (approximately)
- ✱ Static Dissipative: 10^7 – 10^9 ohms average @ 100 volts
- ✱ Dilution ratio: 1:10 (1 part cleaner to 10 parts water)
- ✱ Solids: 25%
- ✱ Low odor
- ✱ Suitable for heavy-duty cleaning on Staticide static dissipative floor finishes and dissipative tile

Product #4100-1: Gallon bottle / 4 gallons per case
 Product #4100-5: 5-gallon pail
 Product #4100-2: 54-gallon drum



#4100

4010 STATICIDE® ANTI-STATIC STRIPPER

Staticide Anti-Static Stripper provides a completely clean and finish-ready surface by emulsifying dirt and residual particles of old wax or coating. Effective in hard or soft water, this biodegradable, low-foaming formula removes multiple coats of wax, synthetic floor finishes, and embedded dirt without damaging or dulling floors. Made in the USA.

- ✱ Coverage: 5000 sq. ft. per gallon (approximately)
- ✱ Dilution ratio: 1:4 (1 part stripper to 4 parts water)
- ✱ Non-toxic
- ✱ Biodegradable

Product #4010-1: Gallon bottle / 4 gallons per case
 Product #4010-5: 5-gallon pail
 Product #4010-2: 54-gallon drum



#4010

CONDUCTIVE CHAIR MAT AND FLOOR RUNNERS

ACL's Conductive Chair Mat is made from an engineered PVC with inherent electrical properties that will last the lifetime of the mat. The homogeneous distribution of carbon black and proprietary polymers give this conductive thermoplastic vinyl a continuous and permanent path to ground. Electrical properties are impervious to damage caused by moving furniture, so the conductive circuit remains unbroken while guarding against scratching and scuff marks. Made in the USA.

- ✱ Resistance measures 10^3 – 10^6 ohms per ANSI/ESD S7.1-2005
- ✱ Electricals are warranted for the lifetime of the mat
- ✱ Compliant to ANSI/ESD S20.20
- ✱ Single layer, stippled surface
- ✱ .090" (2.29mm) thickness
- ✱ Recyclable

Product #6800: 46" x .090" x 50" Black
 Product #6836: 36" x .094" x 75' Black
 Product #6848: 48" x .094" x 75' Black



#6800

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STATIC CONTROL INSTRUMENTS



#880

ACL 880 MEGOHMMETER TEST KIT

The ACL 880 Digital Megohmmeter is a highly accurate and dependable audit kit that is designed to test static dissipative surfaces for electrical resistance according to industry standards. Point-to-point (RTT) and resistance-to-ground (RTG) tests are easy to perform with the calibrated 5-lb powder-coated electrodes. Unlike analog meters with LEDs, test results are shown in actual precise numeric value rather than decade value in logarithmic scale.

- ✧ Alphanumeric LCD scale shows precise value
- ✧ Resistance range: 10^3 – 10^{12} ohms
- ✧ Ideal for testing according to ESDA test methods
- ✧ Includes tester, two 5-lb electrodes, heavy-duty shielding cables, carrying case, and calibration certificate
- ✧ Powered by 9-volt alkaline battery
- ✧ Accuracy:
 - 10^3 – 10^{10} ohms: $< \pm 2\%$, ± 2 counts
 - 10^{11} – 10^{12} ohms: $< \pm 10\%$, ± 4 counts
- ✧ Made in the USA



#800

ACL 800 DIGITAL MEGOHMMETER

The ACL 800 is ideal for measuring the resistance of packaging, smocks, anti-static mats, work surfaces, and flooring. Built-in electrodes can be used for quick checks on ESD mats. External probes can be used for testing in accordance with ESDA standards requiring 5-lb probes, such as STM 4.1 and STM 7.1, European Standards IEC 61340-4-1, 61940-2-3, and 61340-4-5. Kits include two 5-lb probes, test leads, and a foam-lined carrying case.

- ✧ Measurement range for 10v resistance: 10^3 – 10^8 ohms
- ✧ Measurement range for 100v resistance: 10^4 – 10^{12} ohms
- ✧ Measures relative humidity: 10% to 90% RH
- ✧ Measures temperature: 32°F to 100°F (0°C to 37.7°C - also available in Celsius)
- ✧ Includes internal test probes for testing STM11.11 and ASTM D-257
- ✧ Weight: 14 lbs
- ✧ Kit size: 15" x 4" x 12"
- ✧ Accuracy: 10^3 – 10^8 ohms = $\pm 10\%$



#ACL 395

ACL 395 SURFACE RESISTANCE METER

The ACL 395 handheld meter features sophisticated circuitry that allows for the same advantages as megohmmeters, but at an economical price. Utilizing color-coded zones, the LED logarithmic scale is easy to read and evaluate. Half decades indicate where the measurement value falls within the decade giving a closer indication to actual value. The ACL 395 features rubber rails for superior contact. Economical and lightweight, this indicator is perfect for packaging and assembly line assurance checks. When optional 5-lb probes are used, this audit kit complies with IEC 61340-4-1, ANSI/ESD STM 4.1 and ANSI/ESD STM 7.1 for resistance-to-ground (RTG) and point-to-point (RTT) testing making it ideal for spot checking and auditing in material production and laboratories.

- ✧ Color LED display segments (including warning stage)
- ✧ Half decades for greater accuracy
- ✧ Rails: conductive rubber
- ✧ Dimensions: 2.8" x 5.1" x 1.4"
- ✧ Uses parallel bar electrodes as defined in ASTM D257
- ✧ Includes calibration certificate

ACL 396 Accessory Kit for ACL 395

External probes meet industry standards for testing resistance point-to-point (RTT) and volume resistance. Includes foam-lined carrying case, two 5-lb probes, and test leads.

STATIC CONTROL INSTRUMENTS

ACL 306 TWO-POINT RESISTANCE CHECKER

As a standalone unit, the ACL 306 handheld Two-Point Resistance Checker offers an all-in-one solution for those requiring resistance readings in small areas but do not want to encumber themselves with added wires or a megohmmeter. Portable and lightweight, this indicator is perfect for testing ESD packaging with nooks and recesses or any part on the assembly line that is too small for 5-lb electrodes.

The metal spring-loaded pins may be used with or without conductive rubber boots. The LED logarithmic scale is quick and easy to read and evaluate.

- ✧ Color LED display segments
- ✧ Measuring range: 10^3 - 10^{12} ohms
- ✧ Measures 0.5" wide
- ✧ Conductive pogo pins
- ✧ Dimensions: 2.8" x 5.1" x 1.4"
- ✧ Made in USA
- ✧ Includes calibration certificate



#ACL 306



ACL 255 RESISTANCE PROBES

Made in accordance with ANSI/ESD STM 4.1, ACL's 5-lb electrodes come equipped with conductive rubber pads for superior contact. Attached handle allows for easy toting. Machined steel is drilled to accommodate 4mm banana jack cables. These are the same high quality electrodes included with the ACL 880, ACL 800, and ACL 396 kits.

- ✧ Diameter: 2.5"
- ✧ Powder-coated for rust prevention
- ✧ Made in the USA



#ACL 255

ACL 806 and ACL 807 PEN PROBES

The small size of ACL's accessory pen probes is ideal for measurements in hard-to-reach areas where 5-lb probes do not fit. They are compatible with the ACL 395 and ACL 800 meters. The portability and comfortable ergonomic design allow the user to test specimens in the field and laboratory

- ✧ Spring-loaded electrodes with conductive rubber boots
- ✧ Includes BNC coaxial cable and stereo jack adapter
- ✧ ACL 806 conforms to ANSI/ESD STM11.13-2006
- ✧ ACL 807 conforms to ANSI/ESD STM11.11-2006 and ANSI/ESD STM11.12-2006
- ✧ Made in the USA



#ACL 806

Product #ACL 806: Dual Point Pen Probe measures areas 0.32" (8.2mm) diameter

Product #ACL 807: Concentric Point Pen Probe measures areas 0.35" (8.89mm) diameter

ACL 450B DIGITAL STATIC LOCATOR

ACL's digital field meter is ideal for locating static problems in machinery and ionized environments. It indicates actual voltage from 0 - 20,000 volts at 1" away from charged surfaces. Results are displayed on a 3.5 digit LCD with polarity.

- ✧ Equipped with "Measure/Hold" button
- ✧ Chopper stabilized
- ✧ Test range at 1" away from target: 0 ± 20 kV in 100v increments
- ✧ Pulsing eye indicator
- ✧ Ideal to use when precise measurements are needed
- ✧ Size: 4 1/4" x 2 3/8" x 7/8"



#ACL 450B

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STATIC CONTROL INSTRUMENTS

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#ACL 750 USB

ACL 750 USB COMBO TESTER INCLUDING SOFTWARE

The ACL 750 USB can do what pass/fail testers cannot—give actual resistance readings and store data. With the software, test results are stored on a computer that allows managers to monitor and analyze test information and help manage the company's static control program. Generated reports help guide internal policies and improve a company's productivity. Reporting will direct attention to problem employees and work areas, trends over time, and much more.

Specifications:

Power supply: 9-volt battery or 12-volt DC adapter (US)
Test voltage: 19 volts DC \pm 1 volt (open circuit)
Resistance range: Wrist strap: Low: 500k, 750k ohms
High: 2M, 5M, 10M, 25M, 35M, 50M, 75M, 100M
Heel/Toe/Shoe: Low: 500k, 750k ohms
High: 2M, 5M, 10M, 25M, 35M, 50M, 75M, 100M
(1000M optional - internal adjustment required)
Display: Red and green LEDs, high dB buzzer
Wrist strap jacks: Accommodates both US standard and dual-wire (constant monitor) wrist straps

Product #ACL 750 USB: Includes tester, footplate, stand, 9-volt battery, power adapter (US only), USB cable, and software.

Product #ACL 741: Accessory Proximity Badge Reader
Product #ACL 755: Accessory Barcode Badge Reader
Product #ACL 740: Accessory Door Relay

Software Features:

- ✧ Compatible with Microsoft Windows operating systems
- ✧ Connects multiple testers to LAN network for open exchange of database
- ✧ Tests and records resistance of wrist and heel straps simultaneously
- ✧ Customizes requirements of up to 30,000 employees
- ✧ Password protected for employees and supervisors
- ✧ Records multiple tests without limits during 24-hour cycle
- ✧ Easily stores and retrieves backed-up data
- ✧ Automatically generates and emails reports to one or more recipients
- ✧ Interfaces with SQL database servers for remote data dumping and sharing

ISO-9000 ESD Protection Daily Log Report ACL Incorporated as of 6/23/2010 13:28:47

Close Print

ISO-9000 ESD Protection Daily Log Report ACL Incorporated as of 6/23/2010 13:28:47

Stat key: ok=in range, hi=resistance too high, lo=resistance too low, -=not used

ID#, Date, Time, WristStat, LeftStat, RightStat, WristR, LeftR, RightR

CIA-1234	, 1/4/2010,	12:25:56,	W-	Lhi,	Rhi,	-,	100.00,	100.00
CIA-4256830042	, 1/4/2010,	13:28:39,	W-	Lhi,	Rhi,	02.40,	100.00,	100.00
CIA-1195	, 1/4/2010,	13:28:46,	W-	Lhi,	Rhi,	02.06,	100.00,	100.00
CIA-1237	, 1/4/2010,	13:31:43,	Wok,	L-	R-	02.39,	-,	-
CIA-128	, 1/4/2010,	13:32:07,	Wok,	L-	R-	04.77,	-,	-
CIA-008	, 1/4/2010,	13:32:42,	Wok,	L-	R-	02.48,	-,	-
CIA-1234	, 1/4/2010,	13:33:07,	W-	Lhi,	Rhi,	02.23,	100.00,	100.00
CIA-1234	, 1/4/2010,	13:40:59,	Wok,	L-	R-	05.86,	-,	-
CIA-1234	, 1/4/2010,	13:42:00,	Wok,	L-	R-	02.96,	-,	-
CIA123456789-122	, 1/4/2010,	13:51:21,	Whi,	Lhi,	Rhi,	100.00,	100.00,	100.00
CIA-4012	, 1/4/2010,	13:51:46,	Wok,	Lhi,	Rhi,	03.53,	100.00,	100.00

ACL Incorporated ESD Protection Test Results

Operator Information

Operator's Name: Rollins, Hank

Date: 06-22-2010 Time: 16:03:23

Wrist Strap: Required Foot Strap: not used

Wrist Low Setting: .75 Meg Foot Low Setting: .75 Meg

Wrist high setting: 10 Meg Foot high Setting: 100 Meg

Action:

OK

Readings OK thank you. Please press the Enter key or click on Cancel.

Received: W=05.09M=OK, L=99.99M=-, R=99.99M=-, 00.75M=W
-10.00M, 00.75M=F-99.99M

Results

Wrist: OK = 5.09 Meg

Left foot: not used > 100 Meg Right foot: not used > 100 Meg

Cancel Modify Password

STATIC CONTROL INSTRUMENTS

ACL 780 ECONOMY COMBO TESTER

This easy-to-use pass/fail unit will test wrist straps and heel grounders simultaneously and eliminate the need to change feet or flip switches. With speed, ease, and clarity, the colored LED shows test results. The pass/fail combo unit features the same specifications as ACL 750, yet requires no computer, making it more cost effective for companies that do not need to record precise data. It is available with or without a stand.

- Product #ACL 780: Includes tester, footplate, 9-volt battery, and power adapter (US only)
- Product #ACL 781: Includes tester, footplate, stand, 9-volt battery, and power adapter (US only)
- Product #ACL 740: Accessory Door Relay

ACL 740 Accessory Door Relay

The ACL 740 is an upgrade to the ACL 750 or 780 meter. With this option, ACL will construct a meter that comes equipped with a single throw, single pole, low-voltage relay for security door access or lockout. When an employee tests and receives a pass, the relay will close the electrical circuit to a security door or turnstile and allow entry.



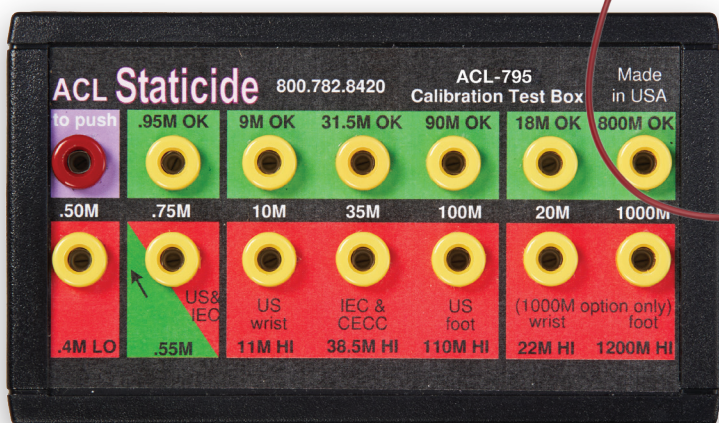
#ACL 780

ACL 795 CALIBRATION BOX

The ACL 795 calibration box saves time and money by allowing a company with multiple combo tester units to verify the calibration of their systems in house. This product can be used as one of the tools to comply with ANSI/ESD S20.20 paragraph 6.1.3.2 "Compliance Verification Plan."

- ✱ Uses ANSI/ESD S20.20 limit recommendations
- ✱ Uses 1% resistors
- ✱ Includes NIST certificate

- Product #ACL 795: Includes test leads



#ACL 795



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PCB BASICS

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#8620

8620 ACL FLUX REMOVER HEAVY DUTY

Highly specialized full-strength flux remover is our most plastic-safe non-flammable flux remover. This product can be used in any industrial setting, and is an excellent choice when used in areas with sources of ignition or heat. ACL flux remover is essential for eliminating encrusted synthetic fluxes on sensitive and soft plastics.

It is ideal for medical device manufacturing and assembly, medical device prototyping, aviation, avionics, and telecom manufacturing and installation.

- ✳ Highly effective on all flux types
- ✳ Suitable to use in high-risk safety areas
- ✳ Excellent compatibility with plastics
- ✳ Non-flammable
- ✳ Made in the USA

Product #8620: 11oz (312g) aerosol can; 12 per case



#8621

8621 ACL FLUX REMOVER ROSIN

Flux Remover Rosin is a fast-drying aerosol that quickly and completely removes R, RMA, RA, and synthetic flux residue. With its low surface tension and superior wetting properties, Flux Remover Rosin removes harmful residues in tight tolerance areas.

The ACL Flux Remover Rosin is plastic-safe and suitable to use on printed circuit boards, motors, generators, metal housings, plugs, relays, contacts, switches, surface mount devices, and pads.

- ✳ One cleaner for companies using different rosin types
- ✳ Highly effective for synthetic rosin types
- ✳ Flammable
- ✳ Made in the USA

Product #8621: 11oz (312g) aerosol can; 12 per case



#8623

8623 ACL FLUX REMOVER NO CLEAN

This extra-strength solvent is an excellent choice for removing all synthetic rosin and no clean fluxes. Non-corrosive, this formula is particularly safe to use on metal. Equipped with an ESD brush, this cleaner is ideal for zero white residue.

- ✳ Removes aged and oxidized no clean flux
- ✳ Leaves no white residue
- ✳ Flammable
- ✳ Made in the USA

Product #8623: 12oz (340g) aerosol can; 12 per case



#8624

8624 A4 ALL PURPOSE FLUX REMOVER AND CLEANER

A4 All Purpose Flux Remover and Cleaner is an extra-strength solvent with a powerful spray that blasts off residues and cleans areas under components that brushing cannot reach. An environmentally friendly replacement for HCFC-141b, NPB, and AK-225.

This non-flammable flux remover is a benchtop essential for removing most types of fluxes used in general industrial electronic settings such as electronics manufacturing, rework assembly, and military defense.

- ✳ Wide variety of cleaning applications
- ✳ Most aggressive remover for solder fluxes
- ✳ Non-flammable
- ✳ Made in the USA

Product #8624: 12oz (340g) aerosol can; 12 per case



8690 ACRYLIC CONFORMAL COATING

Acrylic Conformal Coating is ideal for providing insulation against high-voltage arcing and corona shorts. Extremely durable, it provides a hard, flexible protective barrier with self-healing properties to protect against nicks and scratches after curing. It is suitable for both rigid and flexible PC boards.

- ✳ Operating temperature from -75°F/-59°C to 270°F/132°C
- ✳ Fast-drying formulation with self-healing properties
- ✳ Flammable
- ✳ Made in the USA

Product #8690: 12oz (340g) aerosol can; 12 per case



#8690

8695 SILICONE CONFORMAL COATING

Silicone Conformal Coating provides superior protection against elements that cause oxidation and corrosion including salt water and rain. It is designed for high-temperature applications in high-humidity environments.

Silicone Conformal Coating is ideal for many high-end applications including automotive manufacturing, but is the go-to choice for marine, avionic, and aerospace manufacturing.

- ✳ Operating temperature from -55°F/-64°C to 390°F/199°C
- ✳ Provides superior protection from saltwater corrosion
- ✳ Flammable
- ✳ Made in the USA

Product #8695: 11oz (312g) aerosol can; 12 per case



#8695

8696 URETHANE CONFORMAL COATING

Urethane Conformal Coating provides the hardest shell coating for chemical resistance. It protects against acidic and alkaline substances making it a great choice for many general duty applications, such as HVAC, fire alarms, relays, generators, motors, and transformers.

- ✳ Operating temperature from -75°F/-59°C to 270°F/132°C
- ✳ Ideal for use in battery-operated devices
- ✳ Flammable
- ✳ Made in the USA

Product #8696: 12oz (340g) aerosol can; 12 per case



#8696

8698 CONFORMAL COATING REMOVER

Conformal Coating Remover quickly and efficiently removes many types of conformal coatings, including acrylic, silicone, and urethane conformal coatings from PCBs and other surfaces. It can be used as a precision coating remover for specific areas or as a full immersion bath.

With its fast stripping action, it easily prepares surfaces for solder rework and repair. Conformal Coating Remover will not fade, crack, yellow, or discolor plastics under normal use conditions. It is compatible with most materials used in electrical and electronic assemblies and is compliant to REACH and RoHS.

- ✳ Safe for most plastic and PCB surfaces
- ✳ Evaporates quickly; non-corrosive
- ✳ No CFCs or HCFCs
- ✳ Flammable
- ✳ Made in the USA

Product #8698: 11oz (312g) aerosol can; 12 per case



#8698

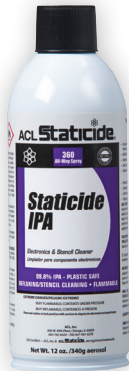
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PCB BASICS



#8625

8625 STATICIDE IPA

An essential work bench companion for the removal of solder pastes, inks, adhesives, and flux residues, Staticide IPA is indispensable for general cleaning applications and removing contaminants.

- ✧ 98.8% pure isopropyl alcohol
- ✧ Ideal for electronics cleaning and flux thinning
- ✧ Flammable
- ✧ Made in the USA

Product #8625: 12oz (340g) aerosol can; 12 per case



#8670

8670 PLASTIC AND GLASS CLEANER

A single application of this anti-static foam cleaner removes electrostatic buildup while also removing dirt, grease, ink, fingerprints, and nicotine stains. The high-foaming solution will not streak, smear, scratch, or abrade. Transparent surfaces are left spotless for improved optical clarity and distortion-free reading.

- ✧ Foaming spray will not run or drip
- ✧ Ideal for viewing ports, computer monitors, and electronic housing
- ✧ Non-flammable
- ✧ Made in the USA

Product #8670: 14oz (397g) aerosol can; 12 per case



#8640

8640 TURBO BLAST

This high-precision duster with maximum blasting power is ideal for electronic cleaning applications. The anti-static formula instantly rids surfaces of particulate contamination without adding moisture or corrosion-causing frost.

Safe to use wherever cleanliness is of concern, Turbo Blast uses only non-recycled material for ultra-purity. Additional filtering provides assurance that there are no trace contaminants.

- ✧ Leaves no residue
- ✧ May be used on energized equipment
- ✧ Ultra-pure; filtered to 0.20 microns
- ✧ Ideal for PCBs and laboratory equipment
- ✧ Made in the USA

Product #8640: 11oz (312g) aerosol can; 12 per case





8691/8791 MIGHTY MASK

This peelable, fast-curing solder mask is formulated with a special high-temperature resistant compound for short-term, high-temperature protection up to 510° F. Its superior strength allows compatibility with most flux systems and cleaning solvents and dries tack-free in thirty minutes.

- ✳ Tweezer removal; convenient to use
- ✳ Ideal for temperature-sensitive components in hand and wave soldering
- ✳ Non-flammable water-based latex
- ✳ Made in the USA

Product #8691: 8oz (236ml) squeeze bottle with Yorker spout; 12 bottles per case
 Product #8791: Gallon bottle



#8691 / 8791

8660 FREEZE SPRAY ANTI-STAT

ACL's high-performance freeze spray quickly cools off printed circuit boards with pinpoint accuracy to help identify failed electrical components, such as resistors, capacitors, and relays.

An added anti-stat in the formula prevents corrosion-causing frost and neutralizes static generation due to friction.

- ✳ Excellent for failed component identification
- ✳ Anti-static formula will not cause frosting
- ✳ Ultra-pure; filtered to 0.20 microns
- ✳ Non-flammable
- ✳ Made in the USA

Product #8660: 12oz (340g) aerosol can; 12 per case



#8660

8699 HEAT SINK GREASE

Heat Sink Grease enables heat transfer away from electronic and electrical components. This silicone-based material is thickened with a heat conductive metal oxide to maintain a positive heat sink seal. An effective thermal coupler for any heat sink surface, Staticide Heat Sink Grease will not separate. The high dielectric strength and low bleed properties make it ideal for various applications including engineering and design work.

Packaged in a convenient five-ounce tube, it is a one-component, ready-to-use product that does not dry out, harden, or melt.

- ✳ Temperature range: -60°F (-15°C) to 400°F (200°C)
- ✳ Non-corrosive; non-flammable
- ✳ RoHS, REACH compliant
- ✳ Made in the USA

Product #8699: 5oz (142g) tube; 6 per case



#8699

8697 REFLOW OVEN CLEANER

Reflow Oven Cleaner is a high-performance solution for cleaning reflow ovens, wave soldering systems, and heat exchanger systems. It removes all types of flux residues, including no-clean, water-based, and lead-free. Ideal for periodic preventive maintenance, Reflow Oven Cleaner keeps equipment operating at peak levels. The trigger spray-bottle delivery system is easy to use and eliminates the need for propellants. It is fully compliant with California VOC requirements (CARB), Reach, and RoHS.

- ✳ Safe on warm ovens
- ✳ Removes baked-on flux
- ✳ Non-flammable; non-ozone depleting
- ✳ IPA-free
- ✳ Made in the USA

Product #8697: 32fl oz (946 ml); 6 quarts per case



#8697

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CONTAMINATION CONTROL

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#8067 / #8099

LOW-LINT POLYCELL WIPES

Low-lint wipes are economical and ideal for all-purpose cleaning in industrial environments. Cleanroom processed and packaged; these nonwoven wipes use no binders to minimize contaminants. Soft and strong with outstanding absorbency, ACL's low-particle wipes hold liquid without breaking down or causing lint contamination.

The robust fiber blend offers durability and cleanliness without sacrificing sorbency. Solvents will not damage fabric, making this all-purpose cleaning wipe an indispensable staple.

- ✧ Suitable for ISO Class 6+ (Class 1000) cleanrooms
- ✧ Weight: 68 g/m²
- ✧ Hydroentangled blend of cellulose and polyester fibers
- ✧ Available in multiple sizes
- ✧ All sizes are white; 9" x 9" also available in blue
- ✧ Includes zippered pouch

Product #8067: 4" x 4" / 20 white wipes per bag / 24 bags per case

Product #8044: 6" x 6" / 75 white wipes per bag / 12 bags per case

Product #8099: 9" x 9" / 100 white wipes per bag / 6 bags per case

Product #LF99B: 9" x 9" / 300 blue wipes per bag / 6 bags per case



#LF50E

HEAVY DUTY LOW-LINT WIPES

Similar to our low-lint polycell wipes, the LF50 offers a comparable performance but in a heavier gauge. Cleanroom processed and packaged; these nonwoven wipes use no binders to minimize contaminants. A first choice for general cleaning and big cleanup jobs, LF50 wipes are recommended for the application of products including Staticide topicals and 6001 Mat & Table Top Cleaner. Blue wipes are ideal for indicating fluid exposure.

- ✧ Suitable for ISO Class 6+ (Class 1000) cleanrooms
- ✧ Weight: 80 g/m²
- ✧ Hydroentangled blend of cellulose and polyester fibers
- ✧ Available in white and blue

Product #LF50E: 12" x 13", 1/4 fold / 50 wipes per bag / 12 bags per case

Product #LF50E Blue: 12" x 13", 1/4 fold / 50 wipes per bag / 12 bags per case



#LF50E Blue



#MFC1

STATICIDE® BLUE MICROFIBER CLOTH

The MFC Blue Microfiber cleaning cloth is ideal for cleaning lab equipment without the use of chemicals. The sturdy construction is soft enough to avoid scratching glass surfaces and durable enough to withstand tearing or abrading. It lifts dirt and dust easily making it a suitable cloth to use on optical lenses, laboratory instruments, microscopes, cell phones, computer screens, and compact disks.

- ✧ Soft; will not scratch
- ✧ No lint
- ✧ Available in blue

Product #MFC1: 9" x 9" / 72 wipes per case

Product #MFC24: 9" x 9" / 24 wipes per case



STATICIDE® MICROFIBER WIPES

The ACL Staticide Microfiber Wipe is an excellent choice for critical task cleaning. Having four times the filaments of ordinary microfiber wipes, this hydroentangled split microfiber provides a strong and durable material that outperforms other nonwovens. Whether used wet or dry, this material offers the best pickup and removal of contaminants and is an ideal choice for equipment or component cleaning in controlled environments.

Chemical solvents like isopropyl alcohol will not break down the material, making this exceptional critical cleaning wipe an indispensable staple in any contamination control program.

- ✧ Suitable for ISO Class 5 (Class 100) cleanrooms
- ✧ Soft; no scratch borders
- ✧ Hydroentangled material made from 80% polyester / 20% nylon blend
- ✧ Binder-free; no chemical residue

Product #8404MF: 4" x 4" / 600 wipes per bag / 5 bags per case

Product #8409MF: 9" x 9" / 150 wipes per bag / 6 bags per case



#8409MF

STATICIDE® MICRODENIER WIPES

Critical cleaning demands high standards. The unique fabric in our microdenier wipes attracts and holds micro-contaminants, including oil-based particles and fibers, making it ideal for many applications.

The ultrasonic sealed border combined with the silky texture of the material protects surfaces from scratching even when force is applied. Although this is ACL's softest wipe, strength is not sacrificed as the microdenier fabric is designed to withstand abrasion even when used on rough surfaces.

Free of silicon, amides, and DOP contamination, this unique nonwoven fabric is perfect for process cleaning and an ideal choice for scratch-sensitive surfaces found in optical, LCD, and hard disk drive cleaning applications.

- ✧ Suitable for ISO Class 4–5 (Class 10–100) cleanrooms
- ✧ Class 10 laundered and packaged
- ✧ Super soft cloth-like fabric; no scratch borders
- ✧ No lint
- ✧ 95% polyester / 5% nylon blend
- ✧ Ultrasonic sealed edges for best fiber and particle retention

Product #8299MD: 9" x 9" / 150 wipes per bag / 6 bags per case



#8299MD

POLYESTER KNIT WIPE

ACL Staticide Polyester Knit Wipes are an economical choice for all-purpose, lint-free wiping. The lightweight, double knit wipe is made in an interlocking pattern with continuous filament polyester yarn for high strength and abrasion resistance even on rough surfaces. The soft texture of the wipe protects surfaces from scratching even when force is applied.

Laser-sealed edges minimize fiber release while providing effective contamination control in critical environments. Low contamination levels, high absorbency, and superb particle removal and retention make this an exceptional wipe where economical and effective cleaning is required.

- ✧ Suitable for ISO Class 5–7 (Class 100–10,000) cleanrooms
- ✧ Class 100 laundered and packaged
- ✧ 100% pure polyester
- ✧ Ultra-low particle and fiber generation
- ✧ Super soft material; does not scratch
- ✧ Laser-sealed edges
- ✧ Free of silicon, amides, and DOP contamination

Product #8399PK: 9" x 9" / 150 wipes per bag / 8 bags per case



#8399PK

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CONTAMINATION CONTROL

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#7600

IPA CLEANING WIPES

ACL Staticide IPA Cleaning Wipes are an essential work bench companion for the removal of solder pastes, inks, adhesives, and flux residues. Packaged in a convenient dispensing canister, these presaturated wipes are safe for plastics and metals and suitable for cleaning PCBs and hardline coax cables, and for restoring automatic and semi-automatic printer stencils to a spotless state.

- ✧ Convenient pop-up container
- ✧ 54% cellulose / 46% polyester hydroentangled low-lint fabric
- ✧ High-purity electronics grade isopropyl alcohol
- ✧ Towel size: 5" x 8" perforated wipe
- ✧ Flammable; ships ground consumer commodity

Product #7600: 100 wipes per canister / 6 canisters per case

Product #7625: 100 wipes per refill log / 10 logs per case

Product #7630: 1 full canister plus 3 refill rolls



#7625



#7615

INDIVIDUAL IPA CLEANING WIPES

ACL Staticide Individual IPA Wipes are an essential item for the field service toolkit. Packaged in a convenient single-use pouch, these presaturated towels are ideal for any "on-the-go" cleaning that may arise in a manufacturing environment or out in the field.

- ✧ 55% cellulose / 45% polyester hydroentangled nonwoven
- ✧ 70% high-purity, electronics-grade isopropyl alcohol and 30% deionized water
- ✧ Flammable
- ✧ Evaporates quickly; non-residual
- ✧ Made in the USA

Product #7615: 6" x 6" / 2 wipes per pouch / 10 pouches per pack / 30 packs per carton



#7010

ANTIBACTERIAL HAND SANITIZER

ACL's Antibacterial Hand Sanitizer is an indispensable item for the field service toolkit. Conveniently packaged in flat, pocket-size containers, it is ideal for on-the-go hand sanitizing in the field, office, or on the road.

Easy-to-use, the 62% ethyl alcohol spray releases with a single-finger applicator. With safety and cleanliness top of mind, ACL's Antibacterial Hand Sanitizer is a handy and economical way to help prevent the spread of viruses.

- ✧ Single-finger applicator
- ✧ Pocket-size (3.375" x 2.25")
- ✧ Evaporates quickly
- ✧ Flammable
- ✧ Active ingredient: 62% ethyl alcohol

Product #7010: 0.67oz (20ml) / 10 per pack / 5 packs per carton



PRESATURATED SWAB

This highly absorbent low-lint swab is equipped with an isopropyl alcohol-filled handle for convenient critical cleaning applications. Once the solvent is released from the handle, it is absorbed into the soft paddle head for removing lubricants, adhesives, residues, or other contaminants on circuit boards, sensors, or stencils.

- ✧ Suitable for ISO Class 4–7 (Class 10–10,000) cleanrooms
- ✧ Class 100 laundered and packaged
- ✧ Microdenier polyester over foam
- ✧ 99.7% IPA-filled 3.5" polyethylene handle
- ✧ Ultrasonic welding with no adhesives



#8020

Product #8020: Wide paddle head with IPA-filled handle / 50 swabs per box / 5 boxes per case

FOAM SWABS

Medical-grade polyurethane foam swabs with superior solvent capacity yield high performance with value. The open-cell foam structure provides an excellent capacity for absorbing and holding liquids for maintaining office equipment and electronic devices. Ultrasonically welded with no adhesives, foam swabs provide exceptional particle entrapment making them ideal for sensitive applications such as medical device manufacturing.

- ✧ Suitable for ISO Class 4–7 (Class 10–10,000) cleanrooms
- ✧ Class 10 laundered; Class 100 packaged
- ✧ Ultrasonic welding; no adhesives or binders
- ✧ White non-ESD handle: polypropylene
- ✧ Blue ESD handle: 10^8 – 10^{10} ohms



#7020



#7022

Product #7020: Round head with 2.6" handle / 500 swabs per bag / 2 bags per case

Product #7022: Wide paddle head with 4.06" handle / 100 swabs per bag / 10 bags per case

Product #7240: Threaded conical head with 2" ESD handle / 500 swabs per bag / 2 bags per case



#7240

POLYESTER KNIT SWABS

ACL's Polyester Knit Swabs are ideal for environments that need critical cleaning and durability. With double-layer polyester knit tips, they are exceptional for removing IPA, acetone, and other solvents from tight crevices and hard-to-reach places. This robust and contaminant-free material can withstand agitation and is optimal for cleaning validation and preventing cross contamination.

- ✧ Suitable for ISO Class 5–7 (Class 100–10,000) cleanrooms
- ✧ Class 10 laundered; Class 100 packaged
- ✧ Free of silicon, amides, and DOP contamination
- ✧ Ultrasonic welding; no adhesives or binders
- ✧ White non-ESD handle: polypropylene
- ✧ Blue ESD handle: 10^8 – 10^{10} ohms



#7060



#7232

Product #7060: Small paddle head with 5.71" handle / 100 swabs per bag / 10 bags per case

Product #7232: Wide paddle head with 3.9" ESD handle / 100 swabs per bag / 10 bags per case

Product #7255: Round head with 2.36" ESD handle / 500 swabs per bag / 2 bags per case



#7255

MICROFIBER FOAM SWAB

ESD Microfiber Foam Swab is an exceptional quality swab for the critical cleaning of ESD static-sensitive surfaces. Constructed of medical-grade PU foam wrapped in microfiber knit, this swab is highly effective in removing and holding liquid or dry contaminants in volume. The rigid ESD handle has a dissipative resistance and will not generate a charge. It is ideal to use with solvents such as acetone, ethanol, IPA, and methanol and for applying and removing lubricants in hard-to-reach areas.

- ✧ Suitable for ISO Class 4–7 (Class 10–10,000) cleanrooms
- ✧ Class 10 laundered; Class 100 packaged
- ✧ High solvent capacity
- ✧ Ultra-low particle; lint-free
- ✧ Ultrasonic welding; no adhesives or binders
- ✧ Blue ESD handle: 10^8 – 10^{10} ohms



#7250

Product #7250: Small round head with 2.36" ESD handle / 500 swabs per bag / 2 bags per case

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CONTAMINATION CONTROL

Product	Total Length	Handle Length	Handle Width	Handle Material	Head Length	Head Width	Head Material
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Presaturated Swab

#8020	4.25" (108 mm)	3.5" (89 mm)	.25" (6.3 mm)	Polyethylene	.75" (19 mm)	.5" (12.7 mm)	Microdenier polyester over foam
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Foam Swabs

#7020	3" (76 mm)	2.6" (66 mm)	.1" (2.5 mm)	Polypropylene	.39" (10 mm)	.126" (3.2 mm)	Medical-grade polyurethane foam
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#7022	5.04" (128 mm)	4.06" (103 mm)	.20" (5.2 mm)	Polypropylene	.98" (25 mm)	.43" (11 mm)	Medical-grade polyurethane foam
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#7240	2.5" (66 mm)	2" (50 mm)	.1" (2.5 mm)	ESD Polypropylene	.5" (16 mm)	.38" (3.2 mm)	Medical-grade polyurethane foam
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Polyester Knit Swabs

#7060	6.3" (160 mm)	5.71" (145 mm)	.126" (3.2 mm)	Polypropylene	.65" (16.5 mm)	.26" (6.7 mm)	Polyester knit
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#7232	4.8" (123 mm)	3.9" (100 mm)	.2" (5 mm)	ESD Polypropylene	.9" (24 mm)	.5" (13 mm)	Polyester knit
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#7255	2.75" (70 mm)	2.36" (60 mm)	.08" (2.2 mm)	ESD Polypropylene	.4" (11 mm)	.125" (3.2 mm)	Polyester knit
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Microfiber Foam Swab

#7250	2.75" (70 mm)	2.36" (60 mm)	.10" (2.5 mm)	ESD Polypropylene	.3" (7.4 mm)	.16" (4 mm)	Microfiber-wrapped PU foam
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MISSION

ACL, Inc.'s goal is to be the best supplier of quality products and services in our industry. We are committed to excellence and product innovation in each market we serve. Prompt and thorough response to our customers' needs is ACL's hallmark. Quality is every ACL employee's responsibility.

ISO 9001:2015

ACL, Inc.'s quality management system first achieved ISO certification in February 1995. The stringent requirements of the International Standards Organization have provided ACL, Inc. both an internal and external means of assessing our quality standards. Our strong commitment to quality allows us to continue providing effective solutions for static control problems around the world. Our current quality management system is ISO 9001:2015 certified by DQS Inc.

QUALITY POLICY

It is the policy of ACL, Inc. to achieve the highest standards of product quality and customer service. To achieve this, the company has implemented a corporate-wide quality system in accordance with ISO 9001:2015. The quality system communicates expectations, establishes controls, and fosters a culture committed to excellence in everything we do with a focus on continual improvement. Through management leadership, internal communication, competence, awareness, and training, we are committed to meeting the objectives of the company to achieve the highest standard of product quality and service.

WARRANTY

ACL warrants its products to be free of defects in material and/or workmanship. All meters are warranted one year from date of purchase on parts and labor. Calibration is recommended every 12 months. Please contact ACL, Inc. for complete specifications on any product.



ACL INCORPORATED

World Headquarters
840 W. 49th Place
Chicago, IL 60609
United States of America

Toll Free 800.782.8420

Phone 847.981.9212

Fax 847.981.9278

Email info@aclstaticide.com

Web www.aclstaticide.com

General inquiries: info@aclstaticide.com

Meter inquiries: meters@aclstaticide.com

Order inquiries: orders@aclstaticide.com

Safety Data Sheets: msds@aclstaticide.com