



Color shown is a representation and may vary

#### Maintenance:

To keep mats clean and avoid insulative electrical readings, use a neutral cleaner such as the 6001 Mat and Table Top Cleaner.

The low alcohol, high surfactant formula will allow deep cleaning without damaging the structural integrity of the SpecMat-H material.

#### Warranty:

ACL Inc. offers an exclusive lifetime warranty on the electrical resistance ( $10^8 - 10^9$  ohms) properties of the SpecMat-H table mats. If the electrical properties should fail (when tested to ANSI / ESD S20.20) on any of our table mats during the lifetime of the mat due to manufacturing or physical defects, we will replace the mat free of charge. This warranty does not apply to mats that are abused, improperly used, or cleaned with mat cleaners not tested and approved by ACL Inc.

#### SpecMat-H roll

62100 light blue 24" x 40' x 0.10" (2.54mm)

62300 light blue 30" x 40' x 0.10" (2.54mm)

62500 light blue 36" x 40' x .010" (2.54mm)

66700 light blue 24" x 40' x 0.06" (1.53mm)

66800 light blue 30" x 40' x 0.06" (1.53mm)

66900 light blue 36" x 40' x 0.06" (1.53mm)

**SpecMat-H cut mats** are available in various sizes. Each mat includes two 10mm female ground snaps. Ground cords sold separately.

## SpecMat-H

### Static Dissipative Homogeneous Material

The SpecMat-H homogeneous material is a single-layer, ESD-safe thermoplastic vinyl made for bench tops. Without adding cost, the extruded manufacturing process used to produce this high-performance vinyl utilizes superior plasticizers and lower-outgassing solvents, unlike ESD vinyl made by cast coating.

The proprietary polymers used to manufacture this material are homogeneously dispersed with a migratory anti-static formula that allows for both surface and volume resistance. By design, anti-static properties cannot be worn away through wear or outgassing.

Resistant to solder, heat, and most common solvents, SpecMat-H is an economical choice for static-sensitive production areas in electronics manufacturing and laboratories. Tray mats can be custom-cut with a sharp blade. Scraps can be recycled.

Blended with hydrophilic molecules to control the speed of dissipation, the ESD-Homogeneous material will deliver a typical resistance-to-ground measurement of  $10^8 - 10^9$  ohms per ANSI/ESD STM4.1. ESD-Homogeneous material complies with industry standards including EN 61340-5-1: Protection of Electronic Devices from Electrostatic Phenomena and ANSI/ESD S20.20: Protection of Electrical and Electronic Parts, Assemblies and Equipment.

The components used to manufacture this product, including smoke and flame inhibitors, are RoHS3 compliant and are not listed on the REACH SvHC list.

Rolls and cut mats are made in the U.S.A. and can be shipped under NAFTA rules.

#### FEATURES:

- ✦ Single layer in two thicknesses: 0.10" (2.54 mm) & 0.06" (1.53mm)
- ✦  $10^8 - 10^9$  ohms, ohm per cm RTG, RTT, Vol R
- ✦ Can be custom-cut with sharp blade; scraps are recyclable
- ✦ Embossed finish reduces light glare and parts slippage
- ✦ Durable surface withstands solder, flux, and harsh chemicals
- ✦ Low outgassing and VOC are ideal for controlled environments
- ✦ Passes weathering ozone resistance per ASTM D178-01
- ✦ Passes and exceeds minimum standards for NFPA fire and smoke safety
- ✦ UV additives to protect color and eliminate fading

