

## LABCON

**HIGH-PERFORMANCE STATIC-CONTROL FLOOR THAT'S BEAUTIFUL, DURABLE AND STAIN-RESISTANT. INSTALLS QUICKLY AND EASILY WITH NO MESSY ADHESIVE**

**PRODUCT NAME:**

**LabCon ESD Solid Vinyl Sheets**

**MANUFACTURER:**

StaticWorx, Inc. P. O. Box 1556, Williston, VT 05495  
(617) 923-2000 staticworx.com

### PRODUCT DESCRIPTION

LabCon ESD Solid Vinyl Sheets by StaticWorx, Inc. are high-performance, static dissipative solid vinyl floor coverings designed for environments requiring reliable static control. These homogeneous solid vinyl sheets provide consistent conductivity throughout their thickness, ensuring long-lasting performance. The upper layer acts as a full surface ground-plane with no conductivity voids. The surface is enhanced with a factory-applied polyurethane coating for superior durability, stain resistance, and ease of maintenance. LabCon can be installed in fully operational cleanrooms, SCIFs and labs using the StaticWorx RapidINSTALL™ method.

### APPLICATIONS

LabCon ESD Solid Vinyl Sheets are suitable for use in:

- ✓ Laboratories
- ✓ Cleanrooms
- ✓ Chip Manufacturing
- ✓ SCIFs and Mobile shelters
- ✓ Hospitals
- ✓ Electronics manufacturing facilities
- ✓ Data centers
- ✓ Pharmaceutical production areas
- ✓ Medical device manufacturing spaces

### KEY FEATURES AND BENEFITS

- ◆ **Static Dissipative Properties:** Resistance values between  $< 1.0 \times 10^9$  ohms (per ANSI/ESD STM 7.1 and ASTM F150).
- ◆ **Homogeneous Composition:** Ensures consistent conductivity and durability throughout the thickness of the floor.
- ◆ **Chemical Resistance:** Resistant to a wide range of chemicals commonly found in labs and cleanrooms.
- ◆ **Fire Performance:** Meets ASTM E648 Class I and ASTM E662 (smoke density  $< 450$ ).
- ◆ **Ease of Maintenance:** Factory-applied polyurethane treatment eliminates the need for waxes or polishes, reducing maintenance costs.
- ◆ **Sustainable Design:** Low VOC emissions contribute to healthier indoor air quality. FloorScore® certified.
- ◆ **Durability:** Withstands heavy rolling loads and foot traffic without compromising performance.
- ◆ **Installation:** Can be installed with StaticWorx RI 2.0 dry adhesive to allow immediate use of flooring after installation
- ◆ **Grounding:** Conductive bottom side enables a simple grounding procedure requiring only one StaticWorx copper ground strip per 1000 square feet

## TECHNICAL SPECIFICATIONS

Characteristic	Value
Product Type	Homogeneous Static Dissipative Vinyl Flooring
Thickness	2.0 mm (nominal)
Static Dissipative Range	$< 1.0 \times 10^9$ ohms (ANSI/ESD STM97.1)
Surface Finish	Applied polyurethane coating
Fire Resistance	ASTM E648 Class I
Smoke Density	ASTM E662 $<450$
Chemical Resistance	Resistant to acids, alkalis, and disinfectants
Dimensional Stability	$\leq 0.4\%$ (ISO 23999)
VOC Emissions	FloorScore® Certified
Weight	3.2 kg/m <sup>2</sup>
Roll Dimensions	Width: 6' 6" (2 m) / Length: 66' (20 m)
Warranty	10 years from the date of installation

## INSTALLATION INSTRUCTIONS

### 1. Substrate Preparation:

- Ensure the substrate is clean, smooth, dry, and level.
- Conduct moisture and pH testing per ASTM F710 guidelines.

### 2. Adhesive:

- Use StaticWorx Rapid Installation RI 2.0 conductive adhesive tape. Refer to instructions for RI 2.0.

### 3. Seaming:

- Heat weld all seams using StaticWorx-approved weld rods for a seamless appearance.

### 4. Rolling:

- Roll the flooring with a 100-lb roller to ensure uniform adhesion.

## MAINTENANCE GUIDELINES

- **Initial Cleaning:** Wait at least 72 hours after seam welding before conducting the first cleaning. Use a neutral pH cleaner and avoid harsh chemicals.
- **Routine Maintenance:** Clean using a microfiber mop or auto-scrubber with a pH-neutral detergent.
- **Periodic Maintenance:** Use a low-speed buffer or scrubber with a red pad for deep cleaning as needed. No waxing or polishing is required.

## COMPLIANCE AND CERTIFICATIONS

- FloorScore® Certified (Low VOC Emissions)
  - ANSI/ESD STM 7.1, ASTM F150 and EN 1081 Static Dissipative Certification
  - ISO 9001: Quality Management Certified
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## STORAGE AND HANDLING

- Store in a clean, dry area at temperatures between 65°F and 85°F (18°C to 29°C).
  - Avoid direct sunlight and protect from physical damage.
  - Rolls must be stored standing up – never store flat
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## WARRANTY

LabCon ESD Solid Vinyl Sheets are backed by a 10-year warranty, covering material defects and ensuring consistent performance when properly installed and maintained according to StaticWorx, Inc.'s guidelines.

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For further technical assistance or to request samples, contact:

### **StaticWorx, Inc.**

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info@staticworx.com

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