

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:

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|----------------------|--|---------------------------------------|
| ✓ Laboratories | ✓ SCIFs and Mobile shelters | ✓ Data centers |
| ✓ Cleanrooms | ✓ Hospitals | ✓ Pharmaceutical production areas |
| ✓ Chip Manufacturing | ✓ Electronics manufacturing facilities | ✓ 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 ²
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.

For further technical assistance or to request samples, contact:

StaticWorx, Inc.

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