



# resinDEK®

RESINDEK® ESD FLOORS WORLD'S #1 DIRECT-SALES COMPUTER SUPPLIER

◆ **A RESINDEK® SUCCESS STORY**

## DELL MANUFACTURING FACILITY INSTALLS RESINDEK® ESD

ResinDek® ESD is designed to exceed industry requirements for static controlled flooring, shelving and work surfaces. ResinDek ESD in ESD-control programs provides protection throughout the manufacturing, transportation and storage of sensitive devices. ESD losses can result in any of the following:

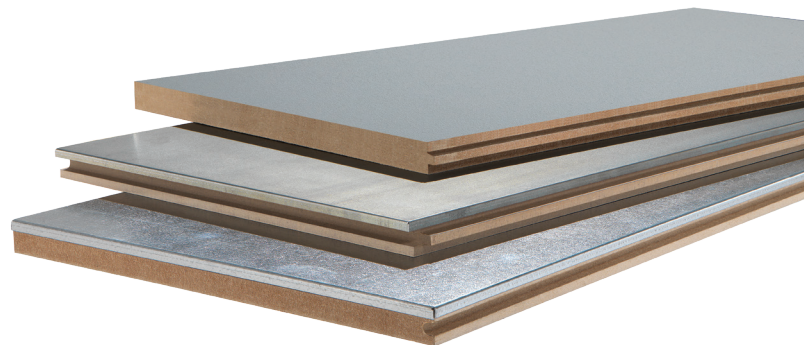
- Lost time
- Connection down-time
- Data loss
- Shocks to personnel
- Systems upset due to reboots
- Equipment damage

Past industry studies have indicated that 30% of all electronic failures can be attributed to electrostatic damage. Vulnerability is increasing as RFID technology and smaller electronic devices emerge.

When the world's #1 direct-sale computer supplier built their 527,000 sq. ft. manufacturing facility in North Carolina, they selected ResinDek ESD. The flooring was further enhanced by installing the patented Invisi-Loc® underside fastening system, which hides unsightly fasteners.

### INVISI-LOC®

An underside fastening system that secures panels underneath rather than on top to provide a smooth, easy-to-clean surface.



## RESINDEK® ESD STATIC-CONTROLLED WOOD DECKING PANELS

ResinDek ESD panels comply with the following ANSI/ESD Association specifications:

- **ANSI/ESD S7.1-2005**  
Resistive Characterization of Materials—Floor Materials
- **ANSI/ESD S20.20-2007**  
Protection of Electrical and Electronic Parts, Assemblies and Equipment
- **ANSI/ESD STM97.1-2006**  
Floor Materials and Footwear—Resistance Measurement in Combination with a Person

### Testing results are summarized as follows:

- Average point-to-point resistance = 6.6 x 10<sup>6</sup> ohms
- Average point-to-ground resistance = 7.8 x 10<sup>6</sup> ohms
- ResinDek ESD panels generated less than 10 volts with static controlled footwear, and experienced a rapid voltage decay from 5,000 volts to less than 50 volts in under .50 seconds

## THE RESINDEK VALUE PROPOSITION

Since 1994, ResinDek® flooring panels have been installed in

distribution centers, manufacturing plants, cold storage facilities and self-storage facilities for major corporations worldwide. With seven different grades of ResinDek flooring panels, Cornerstone Specialty Wood Products has a wide range of offerings to withstand every type of traffic imaginable. Whether your application has foot traffic, light carts, or even heavy rolling or point loads, all ResinDek panels are covered with a full 10 year product warranty.

ResinDek moisture resistant, engineered panels provide a tremendous value for elevated floors in storage facilities that require durability, a showcase appearance, and ease of maintenance. ResinDek floor panels have proven structural integrity and support live and dead pallet jack loads from 2,000 – 8,000 lbs. ResinDek panels are custom manufactured and available in sizes up to 4' x 10'.

The superior Gray Diamond Seal® Antistatic finish (formerly known as “Gray Diamond Seal® 2”) is designed and engineered for long-lasting durability and will look beautiful with a showcase appearance year after year. Gray Diamond Seal Antistatic has exceptional resistance to common stains and has been tested in accordance with NEMA LD 3.4 with 29 different reagents, and has been proven to be extremely easy to keep clean. In addition, the textured finish meets OSHA Standards for coefficient of friction regardless of whether the floor becomes wet, dry, dirty, or clean!

Product Name (B Deck Gauge)	Pallet Jack & Product Load Limits	Robot & Product Load Limits	Maximum Robot Contact Pressure	Thickness	Weight (PSF)		Optional Finishes				
					ResinDek®	ResinDek® with MetaGard®	UF	Gray Diamond Seal® Antistatic	Gray Diamond Seal® ESD	TriGard® ESD	MetaGard®
ResinDek® LD (20ga) <sup>1</sup>	up to 2,000 lbs.	up to 500 lbs.	500 psi	3/4"	2.8	4.2	✓	✓	✓	✓	✓
ResinDek® MD (20ga) ResinDek® MD (18ga)	up to 2,500 lbs. up to 3,500 lbs.	up to 2,000 lbs. up to 3,000 lbs.	750 psi 1,000 psi	3/4"	3.5	4.9	✓	✓	✓	✓	✓
ResinDek® HD (18ga) ResinDek® HD - B Deck Not Required <sup>1,2</sup>	up to 4,500 lbs. N/A	up to 4,000 lbs. up to 750 lbs.	1,200 psi 750 psi	3/4"	3.8	5.2	✓	✓	✓	✓	✓
ResinDek® MAX (18ga)	up to 8,000 lbs.	up to 6,000 lbs.	1,500 psi	1-1/2"	7.6	N/A	N/A	✓	✓	✓	✓
ResinDek® Xspan® B Deck Not Required <sup>3</sup>	up to 3,000 lbs.	up to 2,500 lbs.	900 psi	1-1/8"	5.2	6.6	✓	✓	✓	✓	✓
ResinDek® Xspan® FR B Deck Not Required <sup>4</sup>	up to 3,800 lbs.	up to 3,500 lbs.	1,250 psi	1-1/8"	6.0	7.6	N/A	✓	✓	✓	✓

### NOTES:

<sup>1</sup> Not Suitable for AGVs

<sup>2</sup> ResinDek HD robot and product load values above are calculated with 225 psf uniform loads at 16" center supports

<sup>3</sup> ResinDek Xspan load values above are calculated with 375 psf uniform loads at 16" center supports

<sup>4</sup> ResinDek Xspan FR load values above are calculated with 450 psf uniform loads at 16" center supports

- For flooring used with corrugated B Deck: Please note load values above are calculated on 36" beam spacing, increased spacing will reduce capacity. Floor deflection is L/240
- For flooring solutions with no B Deck: All allowable loads are based on a two span condition. Uniform load values are based on L/240 deflections, any deviation can positively or negatively impact these values. Please contact Cornerstone for other span conditions.



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