



Electrostatic Dissipative Finish for Gray Diamond Seal and TriGard Coatings

With our electrostatic dissipative finish, ResinDek® mezzanine floor panels with ESD provide an outstanding static control solution for electrically sensitive devices such as laptops, bar-code scanners, servo-drive motors, and pick-to-light systems that are common in distribution centers. Not only will the ESD finish eliminate downtime of expensive electronic devices caused by electrostatic discharges, but it will also prevent uncomfortable static shocks to employees. ESD is standard with TriGard and is available with Gray Diamond Seal.

ResinDek® panels with ESD have been subjected to extensive independent testing, and have been found to be in compliance with the following ESD Association specifications:

- ANSI/ESD S20.20 - Protection of Electrical and Electronic Parts, Assemblies and Equipment
- ANSI/ESD S7.1 - Resistive Characterization of Materials—Floor Materials
- ANSI/ESD STM97.1 - Floor Materials and Footwear—Resistance Measurement in Combination with a Person
- ANSI/ESD STM97.2 - Floor Materials and Footwear—Voltage Measurement in Combination with a Person
- ASTM F-150 - Electrical Resistance of Conductive and Static Dissipative Flooring

Testing results are summarized as follows:

- Average point-to-point resistance = 6.6×10^6 ohms
- Average point-to-ground resistance = 7.8×10^6 ohms
- ResinDek® mezzanine floor panels with ESD 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

Product Name (B Deck Gauge)	Pallet Jack & Product Load Limits	Robot & Product Load Limits	Maximum Robot Contact Pressure	Thickness	Weight (PSF)		Material Handling Finishes			Robotics Finishes	
					ResinDek®	ResinDek® with MetaGard®	UF	Gray Diamond Seal® or ESD	MetaGard® GVT	TriGard® ESD or ESD Ultra	MetaGard® SST
ResinDek® LD (20ga) ¹	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 ^{1,2}	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 ³	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 ³	up to 3,000 lbs.	up to 2,500 lbs.	900 psi	1-1/8"	5.2	6.6	✓	✓	✓	✓	✓

NOTES:

- 1 Not Suitable for AGVs
 - 2 ResinDek HD robot and product load values above are calculated with 225 psf uniform loads at 16" center supports
 - 3 ResinDek Xspan and Xspan FR load values above are calculated with 375 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 increase deflection and/or decrease capacity.
 - 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. The calculations and load tables to the left have been compiled based on specified calculation methods and assumptions. The loads provided are for the purpose of information for preliminary studies and can not be used as a reference in structural studies. Contact an accredited engineering office or architect to perform a complete stability analysis.