

**resinDEK**<sup>®</sup>  
the panel of experts<sup>SM</sup>



 **CORNERSTONE**  
SPECIALTY WOOD PRODUCTS, LLC<sup>™</sup>

*“We don’t just make better mezzanine floors... We make mezzanine floors better.”*

ResinDek® mezzanine panel products have been engineered and developed for the material handling industry:

- Support foot traffic and pallet jack live and dead loads from 2,000 to 4,500 lbs.
- Superior stain and scratch resistance
- Certified static control for electrically sensitive environments (ESD)
- Finishes for superior clean-ability and showcase appearance
- Specially designed tongue and groove to promote effective panel to panel wheel load transfers

All ResinDek panels are composed of wood fibers, phenolic, urea or melamine resins,



and proprietary coatings of your choice for protection, durability, and showroom appearance with a 5-year warranty.

**ResinDek® Panels are Available in Four Grades and Three Finishes:**

Panel Name	Live/Dead Pallet Jack Limits	Finishes	Gray Diamond Seal™	Clear Diamond Seal™	ESD	Unfinished
ResinDek® LD	Up to 2,000 lbs		■	■	■	■
ResinDek® MD	Up to 2,700 lbs		■	■	■	
ResinDek® HD	Up to 4,500 lbs		■	■	■	
ResinDek® Xspan™ <i>(no corrugated required)</i>	Up to 2,300 lbs		■	■	■	

## ResinDek® Finishes

Clear Diamond Seal™ and Gray Diamond Seal™ finishes:

- Outperform other products in withstanding gouge and taber abrasion tests.
- Have exceptional resistance to common stains and have been tested in accordance with NEMA LD 3.4 with 29 different reagents.
- Are more skid-resistant than other floor panels (coefficient of friction test data available upon request).
- Gray Diamond Seal and ESD are stock finishes. Clear Diamond Seal is available in truckload quantities.

## ResinDek® ESD

ResinDek ESD panels with our Electro-Static Dissipative Finish provide an outstanding static control solution for mezzanine floors, shelving systems and workstations.



- Protect electrically sensitive devices, such as laptops, barcode scanners, servo-drive motors, and pick-to-light systems that are common in distribution centers.
- Eliminate expensive computer downtime caused by electrical static discharges.
- Prevent uncomfortable static shocks to employees with a grounded surface.



ResinDek ESD panels have been extensively tested by the testing firm of Stephen Halperin & Associates and have been found to be in compliance with the following ESD Association Specifications:

**ANSI/ESD S7.1-2001:**

Floor Materials-Resistive characterization of materials-qualifications for point-to-point and point-to-ground resistance in ohms.

**ANSI/ESD 20.20-1999:**

Standard for the development of an ESD program.

**ANSI/ESD STM97.2-1999:**

Floor materials and footwear-Resistance measurement in combination with a person.

**Testing Results are Summarized as Follows:**

- Average point-to-point resistance =  $6.6 \times 10^6$  ohms.
- Average point-to-ground resistance =  $7.8 \times 10^6$  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.



**ResinDek® Xspan™**

- Extensively tested and capable of safely supporting 125 psf dead loads at 32" center supports and 2,300 lbs pallet jack loads without corrugated metal B deck.
- Available in Clear Diamond Seal™, Gray Diamond Seal™ and ESD.
- Variety of lengths, widths and tongue and groove configurations offered to fit custom aisles and applications.

ResinDek Xspan panels have been approved by BOCA Code Officials for use as a structural flooring system in certain applications. Structural supports must be reviewed and approved by Cornerstone Specialty Wood Products and must be capable of supporting the floor loads at the specified intervals. For further details, check with Cornerstone Specialty Wood Products and/or your local building code officials.

Cornerstone Specialty Wood Products furnishes ResinDek top side drill screws and the Invisi-Loc® underside fastening system to enhance the structural integrity and appearance of your ResinDek panels.

### ResinDek® Fastening Systems

For conventional topside installations we offer ResinDek drill screws with computer color matched heads.

Our Invisi-Loc® underside fastening system secures the fastener heads beneath the flooring, rather than on top, when smooth floors are preferred.

Pre-punched metal corrugated decking establishes the fastener pattern and eliminates metal shaving safety hazards.

At Cornerstone Specialty Wood Products, we provide innovative solutions to the challenges encountered at distribution centers across North America.



*“We were looking for a mezzanine panel that was more maintenance free. I would highly recommend Cornerstone Specialty Wood Products.”*

—Manager of a North Carolina Distribution Center

*With our Invisi-Loc underside fastening system, your mezzanine looks like a showroom floor.*



## ResinDek® Installation Instructions

1. ResinDek should be installed over corrugated metal B-decking or an existing mezzanine floor surface. ResinDek is not intended for exterior applications. **RESINDEK PANELS NOT INSTALLED IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS WILL VOID ALL WARRANTIES.**

2. ResinDek panels must be kept dry in transit, storage, during and after installation. Panels should be stored flat in a level position.

### 3. ResinDek Installation Process:

- Begin installation by setting a true line with a laser or transit less than 48" from one edge of mezzanine.
- Leave a 3/8" gap/space on outer edges of ResinDek, and leave 1/8" gap/space between ResinDek panels. Trim the last row of panels to allow for the 3/8" gap/space on outer edges of ResinDek perimeter.
- Attached to each unit of ResinDek is a package of 3 panel spacers. Insert spacers (2 along one long edge, 1 along a short edge) between all adjacent panels. **FAILURE TO USE PANEL SPACERS MAY ALLOW FLOOR TO BUCKLE AND WILL VOID ALL WARRANTIES.**
- Attach panels to corrugated metal B-deck or other approved sub-flooring using a minimum of

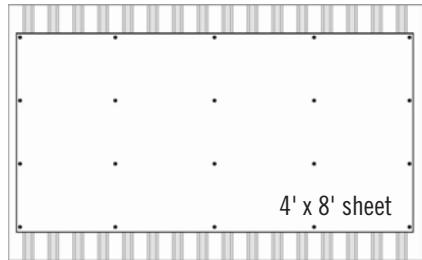
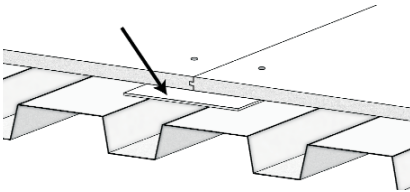


Figure A Fastener Pattern

20 fasteners per 4' x 8' sheet. (See figure A) For best results, use ResinDek screws furnished by Cornerstone Specialty Wood Products. Fasteners should be located a minimum of 1" from tongue and groove edges and from square edges. Remove panel spacers and insert between next panels.

- Be sure that panels are installed with the correct face on top. When correctly laid, the arrow on the square edge of the panel should point up and panels should have a gap of a panel spacer's width around the perimeter of each ResinDek panel, and about 1/4" on the underside of the tongue and groove. The space/gap will always be larger on the underside.
- Stagger panels so that joints break on different ribs wherever possible.
- ResinDek can be installed with the long direction parallel or perpendicular to the corrugated metal B-deck. All panel joints should break on ribs.

- 6" wide x 20 gauge minimum steel shims must be used when ResinDek breaks on a valley. (See figure B)
  - Use fasteners long enough to penetrate both the ResinDek and the subfloor. Secure each panel with a minimum of four fasteners before installing the next panel.
- USE SCREW GUNS WITH A NOSE CLUTCH TO COUNTERSINK HEAD JUST BELOW THE PANEL SURFACE.**
- ResinDek can be trimmed to size with ordinary power saws. Use carbide tipped blades for best results.
  - 3/8" perimeter gaps can be hidden with toe strips or kick plates.



**Figure B** When ResinDek breaks on a valley, use 6" wide 20 Ga. min. steel shims. Avoid using wood blocks which may cause panel joints to become uneven.

#### 4. ResinDek Pallet Load Recommendations (pallet jack and load)

- Do not exceed 2,000 lbs. live and dead load on ResinDek® LD
- Do not exceed 2,700 lbs. live and dead load on ResinDek® MD
- Do not exceed 4,500 lbs. live and dead load on ResinDek® HD.

#### SUBSTRUCTURES MUST BE CAPABLE OF SUPPORTING THE MAXIMUM LOAD FOR EACH PANEL GRADE.

Failure of substructure may result in local failure of ResinDek. Use 20 gauge or heavier corrugated metal B-deck for substructure. 18 gauge is recommended for 2,500 lb. loads or greater.

#### 5. ResinDek Cleaning and Maintenance

- If ResinDek with Clear or Gray Diamond Seal or ESD finish has been installed, the surface is quite cleanable and durable. Unfinished ResinDek will clean up similar to other unfinished wood products.
- ResinDek with Clear or Gray Diamond Seal or ESD finishes can be easily cleaned using a damp mop and/or ordinary cleaning solvents. Do not use methylene chloride or paint thinners on ResinDek.
- Prolonged and extensive soaking, hosing down, or wetting of all ResinDek products must be avoided.

#### WARNING:

**UNDER CONDITIONS OF EXTREME HUMIDITY, RESINDEK MAY BE PRONE TO LINEAR EXPANSION.**



## ResinDek® 5-Year Product Warranty

Cornerstone Specialty Wood Products, LLC™ (CSWP) hereby warrants all of its ResinDek® panels to be free from defect, structurally sound, and able to safely carry the specified design loads as specified. At its option, CSWP will either replace or make a reasonable allowance for repair to all ResinDek Panels found to be defective for a period of five (5) years from date of shipment to the jobsite.

### Qualifications to this warranty are as follows:

1. All panels must be installed in accordance with ResinDek Installation Instructions.
2. All panels must be properly unloaded, protected and stored prior to their installation. Care shall be taken to protect the panels from excessive moisture before, during, and after installation.
3. ResinDek LD, MD and HD panels must be installed with only CSWP-approved fasteners over a minimum 20 Ga. corrugated metal "B" deck. Use 18 Ga. for 2,500lb. loads and higher. Fastener number and pattern must be approved by CSWP.
4. ResinDek Xspan™ must be supported at intervals approved by CSWP with structural supports capable of withstanding loads imposed. Fastener number, pattern and type must be approved by CSWP.
5. Loading on ResinDek panels is not to exceed design loads during or after installation. Design load recommendations are as follows:
  - A. Do not exceed 2,000 lbs. per pallet jack (live and dead load) on ResinDek LD.
  - B. Do not exceed 2,700 lbs. per pallet jack (live and dead load) on ResinDek MD.
  - C. Do not exceed 4,500 lbs. per pallet jack (live and dead load) on ResinDek HD.
  - D. Do not exceed 2,300 lbs. per pallet jack (live and dead load) on ResinDek Xspan.
6. Allowable loads based on testing conducted by CSWP with 24" o.c. spans on LD, MD and HD and 32" o.c. spans on Xspan. Longer spans may reduce load carrying capacities.
7. CSWP must be notified in the event of a problem with any of its materials, and given a minimum of two weeks notice to correct the problem on its own, and/or personally visit the site if necessary, prior to repairs and remedies by others.
8. There will be no warranty coverage for acts of God, exposure to weather, or for impact or concentrated loads.
9. This warranty will be considered void in the event of prolonged exposure to standing water on the ResinDek panels.
10. There will be no warranty coverage for acts of negligence by the installer, the customer, or the end user.
11. This warranty is between CSWP and its customer. Warranty will flow through to the end user for the entire period of this warranty.



10179 Wayne Avenue  
Cincinnati, OH 45215  
Toll Free: 888.755.3048  
Tel: 513.772.5560  
Fax: 513.772.5561  
[www.resindek.com](http://www.resindek.com)