

ResinDek Xspan and Xspan FR do not need corrugated metal deck and should be installed over existing supports (bar joists/beams). ResinDek is not intended for exterior applications. ResinDek panels must be kept dry in transit and storage. Panels should be stored flat in a level position. **RESINDEK PRODUCTS NOT INSTALLED IN ACCORDANCE WITH THE FOLLOWING INSTRUCTIONS WILL VOID ALL WARRANTIES.**



ResinDek® Xspan® and Xspan® FR Installation Process:

- Begin Installation by setting a true line with a laser or transit less than 48" from one edge of the mezzanine.
- For flatness requirements on Robotic floors, please refer to robotic manufacturers specification. If none are provided, please default to +/- 1/8" (3mm) over 36" (914mm).
- Leave a minimum of a 1/4" (6mm) gap to a maximum 1/2" (12mm) gap on the outer edges of ResinDek Xspan and Xspan FR and leave an 1/8" (3mm) gap between ResinDek panels.
- Trim the last row of panels to allow for 1/4" (6mm) to a 1/2" (12mm) gap on outer edges of ResinDek Xspan and Xspan FR perimeter.
- Attached to each unit of ResinDek is a package of 3 panel spacers. Insert metal spacers (2 along one long edge, 1 along a short edge) between all adjacent panels. **FAILURE TO USE METAL PANEL SPACERS MAY ALLOW FLOOR TO BUCKLE AND WILL VOID ALL WARRANTIES.**
- Attach panels to supports using a minimum of 20 fasteners per 4' x 8' (1219mm x 2438mm) sheet. (See figure E below) For best results, use ResinDek Xspan and Xspan FR Drill Screws furnished by Cornerstone Specialty Wood Products, LLC®. Fasteners should be located a minimum of 1" (25mm) from panel edge. Remove panel spacers and insert between next panels.
- Make sure the panels are installed with the correct surface on top. Located on the edge of each ResinDek panel is a stamped part number. When correctly installed, the stamp will be right side up.
- Stagger panels so that joints break on different supports whenever possible.
- ResinDek Xspan/Xspan FR can be installed with the long direction parallel or perpendicular to the supports.
- All panel joints should break in the middle of a support (see figure F below) and not exceed approved spans from center to center. **SEE THE RESINDEK Xspan and Xspan FR LOAD TABLES BELOW FOR WARRANTABLE SPANS.** Fasteners must be long enough to penetrate both the ResinDek Xspan and the bar joists. Secure each panel with a minimum of four fasteners before installing the next panel. Use only screw guns with a nose clutch to countersink screw heads. **DRIVE FASTENERS SO THAT THE COUNTERSUNK HEAD IS JUST BELOW THE PANEL SURFACE.**
- ResinDek Xspan/Xspan FR can be trimmed to size with ordinary power saws. Use carbide tipped blades for best results.
- For underside fastening, see Invisi-Loc® Fastening System Installation Instructions.

ResinDek Xspan & Xspan FR - Allowable Uniform Loads (based on a two span condition) and Maximum Pallet Jack Live & Dead Load Capacity (includes weight of pallet jack) - DO NOT EXCEED Maximum and Uniform Loads

Span (Inches) / (mm)	16 (406)	24 (610)	32 (813)	40 (1,016)	48 (1,219)
Maximum Pallet Jack Capacity for ResinDek Xspan (lbs) / (kg)	3,000 (1,361)	2,700 (1,225)	2,300 (1,043)	2,000 (907)	1,500 (680)
Maximum Pallet Jack Capacity for ResinDek Xspan FR (lbs) / (kg)	3,000 (1,361)	2,700 (1,225)	2,300 (1,043)	2,000 (907)	1,500 (680)
Allowable Uniform Load for ResinDek Xspan (lbs/ft ²) / (kg/m ²)	375 (1,830.9)	225 (1,098.6)	125 (610.3)	75 (366)	50 (244.1)
Allowable Uniform Load for ResinDek Xspan FR (lbs/ft ²) / (kg/m ²)	375 (1,830.9)	225 (1,098.6)	125 (610.3)	75 (366)	50 (244.1)

Figure E - Fastener Pattern

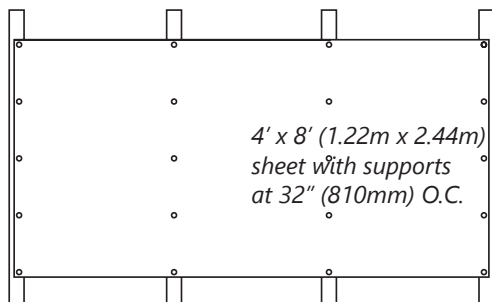


Figure F - Typical ResinDek Xspan & Xspan FR Channel/Beam Installation

