

Installation Instructions - ResinDek® Wood to Wood

1. For ResinDek Max, refer to general ResinDek Installation Manual. The following instructions apply only to second layer of Max installation.
2. Sweep and clean existing floor of all debris.
3. Make sure existing floor is a sound substrate with no voids or delamination.
4. Repair or replace all voids with new material or filling compound.
5. Be sure all existing fasteners are below the surface of the existing floor material.
6. Use a laser, transit, chalk line, or string to set a true line less than 48" (1219 mm) from one edge of the mezzanine to align the long edge of the panel. This will allow you to trim panels for proper spacing around the perimeter.
7. Place ResinDek panels perpendicular to the existing wood flooring.
8. Make sure 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.
9. Brick stagger the ResinDek panels is a preferred layout, as shown in (Figure E).
10. ResinDek panels are a wood based product and may expand over time. Therefore, you must leave a 1/8" (3 mm) minimum gap between ResinDek panels. The gap on the outer edge (perimeter) must not be less than a 1/4" (6 mm) or exceed a maximum of a 1/2" (12 mm)
11. Attached to each ResinDek bundle is a package that includes installation instructions and three 1/8" (3 mm) thick metal panel spacers. Between all adjacent panels insert the metal spacers, two along the long edge and one along a short edge, to ensure proper gapping between the panels. **FAILURE TO USE METAL SPACERS MAY ALLOW FLOOR TO BUCKLE AND WILL VOID ALL WARRANTIES.**
12. It is essential to trim the last row of panels to allow for 1/4" (6 mm) to a 1/2" (12 mm) gap along the outer edges of the ResinDek floor perimeter. You can trim ResinDek panels to size with a circular saw. Carbide tip blades are recommended for best results.

ResinDek® Wood to Wood Fastening:

1. 20 fasteners per 4'x8' sheet is recommended per (Figure D).
2. A counter sink bit w/ adjustable depth stop (COR9093) is recommended for screws. (Figure F.)
3. Screws should be a minimum of #10 gauge.
4. Screw length is determined by the total of existing floor thickness and ResinDek thickness minus 1/4" Example: (3/4" plywood + 3/4" ResinDek = 1-1/2" thick - 1/4" = 1-1/4" screw length req. #10 x 1-1/4" wood to wood screw.)
5. Contact ResinDek for availability of proper fastener / painted gray.
6. Use a variable speed drill - not a clutched screw gun - to install the screws.
7. Screws should be just below the ResinDek surface. See (Figure H).
8. Standard ResinDek screw will NOT work.

ResinDek® ESD Grounding Screws Installation:

1. Grounding screws must be located to penetrate steel substructure (B-Deck).
2. For proper grounding performance of ResinDek Gray Diamond Seal® ESD, TriGard® ESD and TriGard® ESD Ultra panels install four (4) grounding screws on any panel that is 4'x8' (1219mm x 2438 mm) or less. Larger panels will require additional grounding screws. Examples of grounding screw installation patterns can be seen below (Figure H). Distance to the closest screw must not exceed 4' (1219mm), regardless of panel size. **PROPERLY INSTALLED GROUNDING SCREWS ARE NECESSARY FOR A FULLY COMPLIANT ESD FLOOR.**
3. The underside of the grounding screw head must be installed flush with the top surface of the panel. Be careful to not strip out screws from the corrugated decking.
4. ResinDek panels attached to the corrugated metal deck requires a minimum of 0.625 screws per 1 sqft (0.093 m²) which equals 20 screws per 4'x8' (1219mm x 2438 mm) sheet. For panels that have ResinDek Gray Diamond Seal ESD, TriGard ESD or TriGard ESD Ultra coating, the grounding screws will count towards the minimum requirement of fasteners.



Figure H. ESD Screw Installation - Cross Section - Screws must be flush with deck surface!

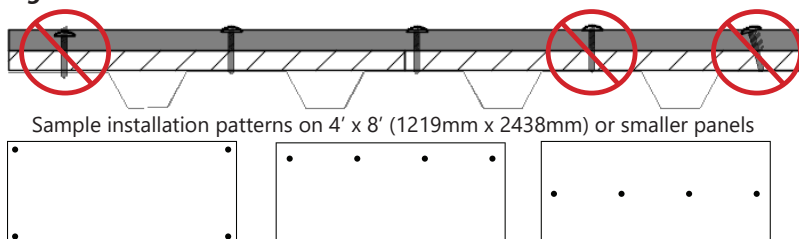


Figure C.

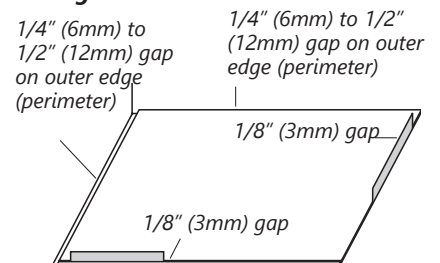


Figure D.

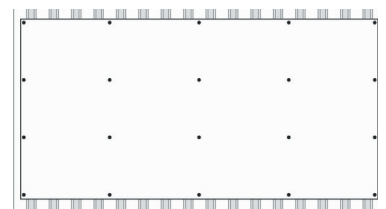


Figure E.

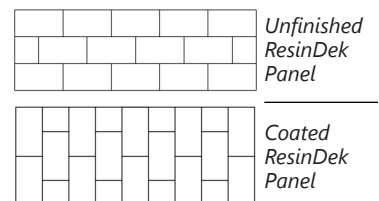


Figure F.

