



# PVC Pergola

## Installation Instructions

### Freestanding with Structural Fiberglass Columns

01

1. Confirm the desired location of the columns and prepare the poured concrete footings.
2. Before the concrete sets, insert a 2/1" galvanized J bolt into the concrete, leaving approximately 2" of the bolt showing above the surface of the footing. Ensure that the J bolt is located at the center of the desired column location.
3. Attach a coupling to the J bolt. This will be used to secure the threaded rod from the top of the column to the footing.
4. Install wood blocking at the top of the column shaft, following the instructions below:
  - a. Scribe a PT 2x8 (or larger if the using a larger column) to fit the inside diameter of the top of the shaft.
  - b. Before attaching the blocking to the column shaft, locate the center of the wood blocking. Using a 2/1-1" hole saw, drill an approx. 1/2" deep hole in the top of the blocking.
  - c. Locate the center of the 2/1-1" wide hole, and drill a 1/2" hole through the remainder of the blocking.
  - d. Secure the blocking to the top of the column shaft by screwing through the column shaft into the side of the blocking. Ensure that the top of the wood blocking is flush with the top of the column shaft, and that the larger 2/1-1" hole is at the top of the blocking.
5. Attach 4 L brackets to the bottom of the column shaft, ensuring they are evenly spaced and flush with the bottom of the column shaft. If there is no wood blocking at the bottom of the column, secure with a nut and washer on the inside of the shaft.
6. Slide the column base over the shaft (you may want to secure the base to the shaft about halfway up using shims, to keep it out of the way while completing installation).
7. Place the column shaft over the footing, and drop a threaded rod through the hole in the top of the blocking.
8. Screw the threaded rod into the coupling/anchor (you will need to temporarily lift the column shaft to access the anchor).
9. Secure the threaded rod at the top of the column using a nut and washer. Tighten down into the wood blocking.



# PVC Pergola

## Installation Instructions

10. Trim the threaded rod to length, ensuring it is flush with the top of the wood blocking and column shaft.
11. Anchor the L brackets to the footing using concrete anchors. Slide the base trim over the L brackets, and attach to the shaft using adhesive and finish nails.
12. Fasten the provided PVC plate to the top of the blocking, ensuring it's centered on the column shaft. Fasten the capital to the PVC plate using adhesive and finishing nails.
13. Attach the aluminum L clips to the top of the column, screwing through the PVC plate and into the blocking. Make sure to measure the width of the beam first to ensure the L clips are spaced correctly.
14. Measure the distance between the columns, and mark the distance on the beam. Ensure the beam is centered, with the 2 ends of the beam extending an equal distance beyond the columns.
15. Secure the beam to the top of the columns, screwing through the L brackets into the side of the beam.
16. Repeat the process with the rafters, this time attaching the L clips to the top of the beam. Again ensure the rafters are centered on the beams, and spaced correctly.
17. Fasten the purlins to the rafters by face screwing into the top of the rafter.
18. If desired, fill the nail holes with an exterior-grade vinyl spackle, and paint the column with a primer and 2 coats of exterior acrylic latex paint, following the paint manufacturer's recommended instructions.

### Freestanding with Structural Fiberglass Columns

02

1. Decoro's PVC columns are shipped pre-assembled, with (3) sides attached, and (1) side loose. Remove stretch wrap and loose side.
2. Prior to installation, ensure that the structural posts (provided by others) are already mounted securely in place and plumb.
3. Pad out the structural post with blocking, to match the internal dimensions of the PVC column shaft. Note the desired column locations, ensuring that the columns will be evenly spaced.



# PVC Pergola

## Installation Instructions

4. Measure the height of the post, and trim the column shaft about 8/1" shorter than the measurement. The structural post (by others) should be bearing the the weight of the beams and the decorative PVC column should slide into place without the use of force.  
–Ensure that all columns are the same height. Note that you may need to trim the structural post if it is too tall.
5. Slide the -3sided shaft around the post and blocking. Secure with stainless steel finishing brads.
6. Apply PVC glue liberally along both lock-miter joints, and clamp the remaining shaft side while the adhesive sets. Secure with stainless steel finishing brads.
7. Attach base trim, using adhesive and finishing nails.
8. Fasten the provided PVC plate to the top of the column, ensuring it's centered on the column shaft. Fasten the capital trim to the PVC plate using adhesive and finishing nails.
9. Attach the aluminum L clips to the top of the column, screwing through the PVC plate and into the structural post. Make sure to measure the width of the beam first to ensure the L clips are spaced correctly.
10. Measure the distance between the columns, and mark the distance on the beam. Ensure the beam is centered, with the 2 ends of the beam extending an equal distance beyond the columns.
11. Secure the beam to the top of the columns, screwing through the L brackets into the side of the beam.
12. Repeat the process with the rafters, this time attaching the L clips to the top of the beam. Again ensure the rafters are centered on the beams, and spaced correctly.
13. Fasten the purlins to the rafters by face screwing into the top of the rafter.
14. If desired, fill the nail holes with an exterior-grade vinyl spackle, and paint the column with a primer and 2 coats of exterior acrylic latex paint, following the paint manufacturer's recommended instructions.