

RoyalWrap™ PVC Column Wrap Installation Instructions

By Royal Corinthian

Tools and Materials

Not all of the items listed below are needed for every installation. Please read the installation instructions in its entirety to determine what tools and materials are needed for a particular installation.

<ul style="list-style-type: none">• Safety Glasses• Pencil• Measuring Tape• Drill / Screw Gun• Level• Circular Saw or Equivalent• Combination Square• Paintable Sealant (Siroflex or DUO-SIL)• Wet Cloth• Latex Paint with 55% or Higher LRV	<ul style="list-style-type: none">• Hammer or Nail Gun• Nail Countersink• Flat Head Screws (Wood or Masonry)• Corrosion Resistant Screws• Nails• Caulk Gun• PVC Adhesive or Cement• Exterior Spackling• Sandpaper• Ladder
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Kit Content

- 2 L-Shaped PVC Column Shaft Halves
- 2 L-Shaped PVC Cap Halves
- 2 L-Shaped PVC Base Halves
- 4 L-Shaped PVC Cleats

Important Considerations

Read the entire installation instructions prior to beginning installation. These instructions are guidelines only and modified procedures might be required in order to meet unique situations/applications and/or local building codes. Royal Corinthian does not, under any circumstances, warrant the installation of its products. Be sure to wear appropriate safety gear and suitable protective clothing. Relocation of electrical wiring, if needed, should be done by a certified electrician.

RoyalWrap™ PVC column wraps are purely decorative and are meant to be installed around a structural member, whether a lally column, treated wood post, etc.

Untreated lumber is not recommended as it may degrade and compromise the structural integrity of the support.

Use only manufacturer recommended adhesives, sealants, fillers, and paints. Use corrosion resistant nails and screws.

Countersink all fasteners about 1/8" deep and fill with the appropriate filler. The use of a J-channel and/or flashing to prevent water infiltration should be determined by the installer.

If painting, use 100% acrylic latex paint. LRV of 55% or higher must be used or warranty will be void.

Installation Steps

1. **Measure and Cut L-Shaped Shaft Halves:** Measure the distance from the deck or porch to the bottom of the soffit to determine the overall height of the column. Subtract a ¼" from that measurement to account for expansion of the column shaft. Expansion occurs when the product is exposed to heat and contraction occurs when the product is exposed to cold as with almost everything. If installation occurs in the peak of summer while the product is fully expanded, the ¼" should be decreased as only contraction should be expected. This of course assumes that the product is exposed to outside temperatures prior to being installed. It is always best to let the product acclimate for 24-48 hours to the environment in which it will be installed. Repeat for every structural member that will be wrapped as not all decks and porches are built level. Use the combination square and pencil to insure straight lines and cut using the circular saw or equivalent. For tapered column shafts, make sure to only cut from the bottom: You will need to trim the cleats and the base as well to insure a proper/snug fit around the tapered shaft.
2. **Attach Bottom Cleats to Shaft:** Attach a pair of the L-shaped cleats to the bottom of the column shaft. 1 per L-shaped half. Use screws to secure the cleats from the inside of the column halves. Once attached, dry fit both halves together to make sure the miters match properly. Trim cleats if they are causing a gap between the two shaft halves.
3. **Attach Railing or Balustrade:** Skip this step if railing or balustrade is not being attached to column wraps. Pressure treated blocking should be installed at all heights where railing will be attached to the column wrap. Blocking is not included, and final thickness of the blocking needs to span the whole space between the support post and the inside surface of the column wrap. Mounting screws or balustrade hardware needs to be long enough to go beyond the blocking and secure to the support post for a proper install.
4. **Assemble the Shaft Halves around the structural member:** Clean both halves with the damp cloth to insure no dust or debris remains. When dry, apply adhesive to both miters on one of the L-shaped halves. Royal Corinthian uses Oatey Heavy Duty Clear PVC Cement which has a very short working time: PVC TrimWelder, Devcon TrimBonder, and PVC cement in general are recommended by installers. Make sure to get an adhesive/cement with a working time that is suitable. Position both L-shaped halves around the support and fasten together every 6" to 8" using the nail gun. Make sure that the cleats at the bottom are flush prior to fastening the two shaft halves together. Wipe off any excess adhesive that seeps out using the damp cloth.
5. **Secure the Column Wrap in Place:** After positioning the assembled column where it will be installed, fasten the bottom of the column by drilling 8 holes (4 per L-shape corner or 2 per side) through the bottom cleats and into the substrate. Secure the bottom cleats with 8 Flat Head Screws into the predrilled holes. Make sure the screws are flush with the cleat as the base will sit on top of the cleat.
6. **Plumb All Sides of the Column:** Make sure the column is perfectly level and mark the position of the shaft under the soffit using the pencil. Recall that the top of the column should be ¼" short of the soffit to allow for expansion.
7. **Attach Remaining Cleats to Top of Soffit:** Secure the last two cleats to the top of the soffit, surrounding the column shaft and locking it into the previously marked place. The screws will need to be flush in order for the cap to sit flush under the cleats. Notice that the column shaft is not secured to the soffit nor are the cleats screwed into the shaft as this will allow for expansion and contraction to occur without issue.
8. **Attach the Cap/Base Halves:** Apply adhesive and assemble the base halves directly on top of the bottom cleats. Apply adhesive and assemble the cap halves directly under the cleats at the soffit. Apply adhesive only to the part of the cap that will butt against the cleat and on the edge furthest from the shaft. It is important not to get adhesive between the cap and the shaft so that expansion and contraction of the shaft can occur freely. Use the nail gun to toenail the cap to the cleat. The base halves are 2" taller than the cap halves but both can be cut to meet your aesthetic requirements. Tapered column cap/base are the same except for the hole opening (smaller opening is for the cap and bigger opening is for the base). Wipe off excess adhesive.
9. **Apply Sealant and Spackle:** Apply sealant to close the gap between the base and the shaft, the cap and the shaft, and/or the cleats and the cap/base if desired. Siroflex DUO-SIL expands and contracts at about the same rate as PVC. Use lightweight spackle or the sealant to fill any holes from nails or screws.

10. **Paint:** PVC columns do not need to be painted. Primer is not needed if painting. If painting, use 100% acrylic latex paint. LRV of 55% or higher must be used or warranty will be void. If desiring a darker color, Sherwin Williams VinylSafe works well with PVC.

