

COLUMN WRAP INSTALLATION

Before You Begin

Fypon PVC Non-tapered Column Wraps are non-structural and will require an existing support post. The Column Wrap is designed to install around a previously installed structural post. The structural post (not included) provides the load-bearing component of the column, and the load-bearing capacity is determined by the physical properties of the structural post. **Do not use untreated lumber for structural posts.** Possible infiltration of water and condensation inside the PVC column shaft can cause degradation of untreated lumber. The bottom of the structural post should be mounted to a wooden deck or concrete/masonry porch floor using a code-approved method and post anchor. The top of the structural post should be mounted to the beam using a code-approved method and post-to-beam mounting bracket. **Note:** Check applicable building codes for specific installation requirements.

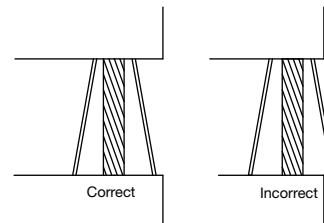
Kit Contents

L-shaped PVC Column Half (2), L-shaped Cap Half (2), L-shaped Base Half (2), L-Shaped Internal Squaring Blocks (4), One tube of Siroflex Duo-Sil Adhesive Caulk.

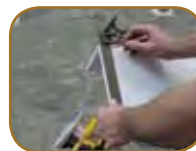
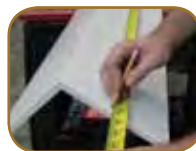
Materials Needed

Safety glasses, tape measure, miter saw, jigsaw or skill saw, combination square, hammer or pneumatic nailer, nail countersink, rust-resistant finishing nails, caulk gun, exterior spackling, damp cloth, sand paper, pencil, latex for finish color. Use only paint with a light reflection value of (LRV) of 54% or higher or it will void the warranty.

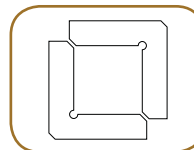
- 1 Before you begin installation, dry fit the column wrap into position to ensure the column base taper is correct and that the base doesn't overhang the deck or porch. Please check local safety codes before installation for any regional requirements. Follow local installation code requirements.



- 2 Measure, square off and cut to length with a skill saw or jigsaw. Specialty shaft design column wraps are field adjustable up to 3" from the bottom.



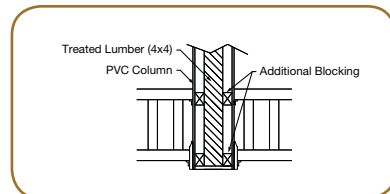
- 3 Attach one pair of the L-shaped external squaring blocks to the outside bottom of the column shaft with provided screws (this will designate the base of your column). Make sure to dry fit column halves together. Follow the provided arrows inside the column shaft to ensure miters will match correctly.



Squaring Blocks



- 4** If installing a balustrade railing system, pressure treated blocking must be installed at the height where the railing will be attached. Blocking is not included in the kit. The final thickness of the blocking must span the entire space between the support post and the inside surface of the column wrap. **Mounting screws must be long enough to go through the blocking into the support post for proper installation.**



If no balustrade system will be installed, skip this step.

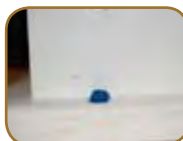
- 5** Apply provided adhesive caulk to the two mitered edges of the L-shaped column shaft.



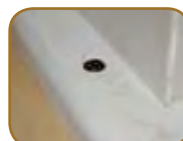
- 6** With the installed external squaring blocks at the base of the column shaft, position the L-shaped sections around the support post and fasten the column shaft seams together every 6"-8" using 1 1/4" rust resistant fasteners (Important: Make sure the cleats are flush at the base before fastening the shaft together). Wipe off the excess adhesive caulk before it dries.



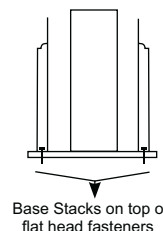
- 7** Fasten the base of the column to the floor using flat headed fasteners. Direct contact to concrete is acceptable. Since the base assembly sets on top of this L-Shaped squaring block, these fasteners will need to be flush. The cap and base will cover the fasteners.



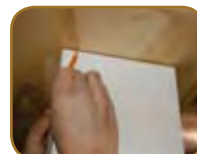
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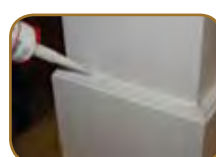
correct



- 8** Plumb both sides of the column shaft and mark the shaft position with a pencil line for reference. Secure the two remaining loose L-Shaped squaring blocks to the top ceiling area, surrounding the column shaft and locking it in position. These fasteners will need to be flush so the cap can butt up tightly to the squaring block.



- 9** Finally, attach the cap and the base to the column shaft, positioning directly up to the squaring blocks. Apply adhesive caulk to the mitered edges at the corners. Wipe off any adhesive squeeze - out with a damp cloth. Also use the adhesive to caulk the small gap between the cap/base and the column shaft. Use lightweight spackling to fill fastener holes.



TEMPERATURE RELATED ISSUES

Cellular PVC becomes brittle in colder temperatures, causing it to be susceptible to damage. It is recommended that the material be warmed to least 50 to 55 degrees before installing. This can be accomplished by moving the pieces into a heated space and allowing adequate time for the temperature of the material to increase. This warming procedure allows the columns to be installed when the outdoor ambient temperature is considerably cooler than 50 degrees. If you are unable to warm the columns before installation, you should pre-drill the nail or screw holes to avoid fractures. Be careful when nailing the columns, trying to avoid striking the column faces with a hammer.

CUTTING AND FASTENING

Cellular PVC can easily be cut with conventional carpentry and woodworking tools. Small pneumatic finish nailers and staplers can be used to fasten the Column Wrap. Large pneumatic framing staplers and nailers are not suitable for fastening this material as the percussion of the drivers can fracture the PVC material. Coarse thread, galvanized or stainless-steel drywall screws are also suitable as fasteners. It is suggested that pilot holes be used for screws longer than 1 5/8".

PAINTING AND FINISHING

Caulk where required using Siroflex® brand Sealant and Adhesive provided. Use lightweight spackle to fill any staple or nail holes. Lightly sand or scuff column surface. Clean the surface of column to remove any dirt or hand oil residue with light detergent and water, denatured alcohol, or window cleaner. Be sure to remove soap residue with clean water. Follow Sherwin Williams® paint instructions, available at www.fypon.com. For best performance, paint Cellular PVC using light colors with a Light Reflective Value of 55% or higher. Dark colors will have an impact on the expansion and contraction of the material. Note: Using paint with a LRV value of 54% or lower will void the warranty.



Unassembled Column Wrap

Installation Instructions

Before You Begin:

Important Information

- ▶ Fypon PVC Column Wraps are non-structural and will require an existing support post. The Column Wrap is designed to install around a previously installed structural post. The structural post (*not included*) provides the load-bearing component of the column, and the load-bearing capacity is determined by the physical properties of the structural post.
- ▶ Do not use untreated lumber for structural posts. Possible infiltration of water and condensation inside the PVC column shaft can cause degradation of untreated lumber.
- ▶ The bottom of the structural post should be mounted to a wooden deck or concrete/masonry porch floor using a code-approved method and post anchor. The top of the structural post should be mounted to the beam using a code-approved method and post-to-beam mounting bracket. **Note:** Check applicable building codes for specific installation requirements.
- ▶ Cellular PVC becomes brittle in colder temperatures. It is recommended that the material be warmed to at least 50 - 55° before installing. This warming procedure allows the columns to be installed when the outdoor ambient temperature is considerably cooler than 50°. If you are unable to warm the columns before installation, you should pre-drill the nail or screw holes to avoid fractures.

Figure 1

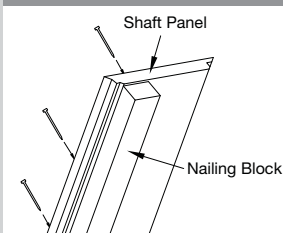


Figure 2

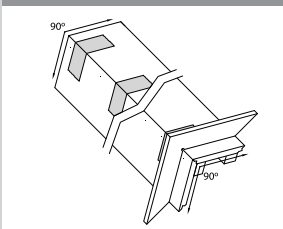


Figure 3

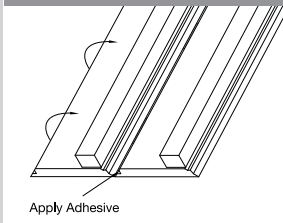
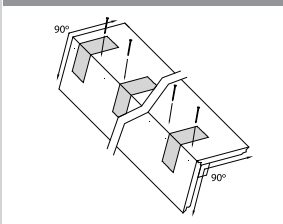


Figure 4



- ▶ PVC can easily be cut with conventional woodworking tools. Small pneumatic finish nailers and staplers can be used to fasten the Column Wrap. Large pneumatic framing staplers and nailers are not suitable for fastening this material as the percussion of the drivers can fracture the PVC material. Coarse thread, galvanized or stainless-steel drywall screws are also suitable fasteners. It is suggested that pilot holes be used for screws longer than 1 ⁵/₈".

Unassembled Column Wrap Installation

- ▶ Measure and cut the four shaft panels to the correct length to fit your application, if needed. **Note:** You may cut the panels up to ¹/₄" shorter than your measurement to avoid too tight of a fit. The top exterior cleats, which are installed in a later step, will conceal the gap. Next, cut the four nailing blocks to the same length as or slightly shorter than the shaft.
- ▶ Attach one nailing block to each of the four shaft panels, fastening with non-corrosive finish nails (*not included*) every 6" - 8" through the outside of the shaft panel into the nailing block. Make sure to position the nailing blocks on the inside of the shaft panels, along the inside edge of the male lock miter (**Figure 1**). **Note:** The nailing blocks provide more material for the nail to grip when assembling the shaft.
- ▶ In the next steps, you will assemble two L-shaped halves of the column wrap with the bottom external cleats attached. This will allow the shaft to be easily aligned and assembled around the support post without coming in contact with the post. **Note:** Make sure that you assemble the halves so that the lock miters align male to female around the entire column wrap.
- ▶ Dry-fit two of the shaft panels together, making sure to match the miters male to female and align the ends of the panel. Use one of the external cleats to check that the angle is 90°. Making sure the panels are aligned, square and the miter seam is tight, apply three pieces of masking tape to the outside of the assembly to hold the panels together and create a temporary "hinge" between the panels. (**Figure 2**).
- ▶ Lay the assembly flat with the inside of the shaft facing up, opening the miter seam. Apply a bead of adhesive to the groove of the female miter edges and fold the assembly back to the 90° angle (**Figure 3**).
- ▶ Making sure the panels are aligned, square and the miter seam is tight, use non-corrosive finish nails to fasten the panels together by nailing every 6" - 8" through the outside of the shaft into the nailing block (**Figure 4**).

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Tools Required

- Safety Glasses
- Pencil
- Tape Measure
- Miter, Jig or Skill Saw
- Combination Square
- Hammer or Air Nailer
- Nail Countersink
- Wide Masking Tape
- Flat Head Fasteners
(For masonry or wood)
- Finish Nails (*Non-corrosive*)
- Caulk Gun
- Spackling or Filler Pencil
- Damp Cloth
- Sand Paper
- Latex Paint
(LRV of 54% or higher)

Kit Contents

- (4) Shaft Panels
- (4) Cap Pieces
- (4) Base Pieces
- (4) Exterior Cleats
- (4) Nailing Blocks
- (1) Screw Pack
- (1) Tube of Adhesive

Warranty Information

Fypon warrants all Column Wrap products to be free from defects in material and workmanship. For complete warranty details, visit the Product Support section at www.fypon.com.

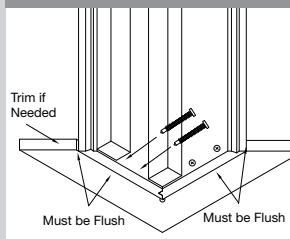


Unassembled Column Wrap

Installation Instructions

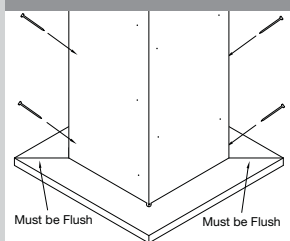
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Figure 5



- Dry-fit an exterior cleat at the end of the L-shaped half. Check to see if the ends of the cleat are flush with the miter edges. **Note:** If the cleat extends beyond the miter edges, you will need to trim the cleat so that the lock-miters will interlock properly. Make sure the bottom of the cleat is flush with the end of the panel. Using four of the supplied screws, attach the cleat to the end of the L-shaped shaft half (Figure 5).

Figure 6



- Repeat the previous steps to assemble the second L-shaped column half.
- **If installing a balustrade or QuickRail railing system:** Pressure treated blocking must be installed at the height where the railing will be attached. Blocking is not included in the kit. The final thickness of the blocking must span the entire space between the support post and the inside surface of the column wrap (See illustration). Mounting screws must be long enough to go through the blocking into the support post for proper installation. **Note:** If no railing system will be installed, skip this step.

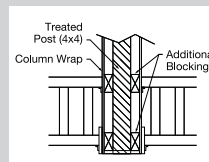
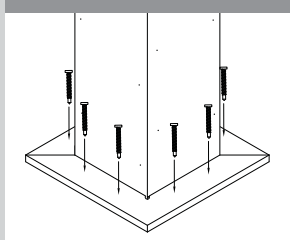
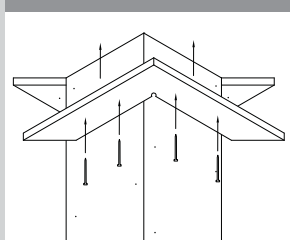


Figure 7



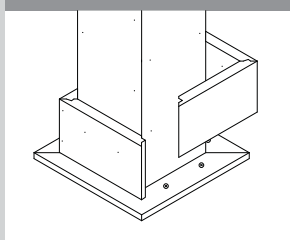
- Apply adhesive caulk to the two mitered edges of one of the L-shaped halves. Position the L-shaped halves around the support post, making sure the exterior cleats are flush at the base of the shaft. Fasten the shaft together by nailing with 1 1/4" non-corrosive finish nails every 6" - 8" along both seams, making sure to nail into the nailing blocks (Figure 6). Wipe off any adhesive squeeze-out with a damp cloth before it dries.

Figure 8



- Move the free-floating column shaft to the desired position. Plumb both sides of the column shaft and mark its position on the floor and ceiling surfaces for reference. **Note:** Use shims to plumb the shaft if the floor surface is not level. Fasten the base of the shaft to the floor through the exterior cleats using flat-head fasteners (Figure 7). Direct contact to the concrete is acceptable. These fasteners must be driven in flush, as the column base will sit on top of the cleat to conceal the fasteners.
- Move the top of the column into place and secure the two remaining exterior cleats to the top ceiling area, surrounding the column shaft and locking it into place (Figure 8). These fasteners must also be driven in flush, so the cap can butt up tightly to the exterior cleats.

Figure 9



- To install the column base, assemble two L-shaped base halves by applying adhesive caulk to the female lock-miter of one piece and joining it to the male lock-miter of a second piece. Fasten the mitered corner together using non-corrosive finish nails. Repeat this process to create the second base half.
- Dry-fit the two L-shaped base pieces around the column shaft, making sure the miter is aligned male to female. **Note:** You may need to use shims to center the base if the halves do not fit tightly around the column shaft. Remove the two halves from around the shaft. Apply adhesive to both mitered edges of one base half and join around the column shaft. (Figure 9). Fasten the base pieces to each other at the corners and to the shaft using non-corrosive finish nails. Wipe off any adhesive squeeze-out with a damp cloth. Caulk the small gaps between the base and the column shaft. Repeat this entire process to install the cap.
- Finally, it is recommended to knock down the sharp edges of the mitered corners, the top edge of the base, and the bottom edge of the cap. To do this, rub a small block of wood back and forth over each corner several times. This will give the wrap a finished look.

Finishing & Painting

- Use lightweight spackling or a white fill stick to fill all fastener holes.
- Lightly scuff the column surface with fine sandpaper. Clean the surface to remove the dust and any hand oil residue with light detergent and water, denatured alcohol or window cleaner. Be sure to remove any soap residue with clean water.
- Follow the paint manufacturer's instructions for painting. Cellular PVC does not need to be painted, but if desired, it should be painted using light colors with a Light Reflectance Value of 55% or higher. **Important:** Using paint with an LRV of 54% or lower will void the warranty.

Semi-Assembled Column Wraps Available in 5 Styles

In addition to the unassembled Economy Plain Column Wraps, Fypon offers 5 styles in our full line of **semi-assembled** PVC Column Wraps. Visit the online catalog at www.fypon.com for a list of sizes and styles.

