

ITEMS YOU WILL NEED:

- Tape measure
- Saw
- Framing square
- Hammer
- Putty knife
- Screw gun
- 1 3/4" exterior grade screws or nails*
- Caulk gun
- 2' or 6' level
- Loctite® PL Premium® Adhesive**
- Polyurethane compatible filler to patch holes
- Polyurethane trim board or PVC to be used as installation strips

* Exterior facade may affect length of fasteners needed.
** Loctite® PL Premium® is owned by Henkel Corporation.



RECOMMENDATION:

It is recommended that you install the Door Surround pre-finished with an exterior grade acrylic latex paint. If installing unfinished, coordinate with the paint contractor and ensure that they are using the correct type of paint. Finish all (surfaces of Polyurethane) exposed to weather within 90 days. And always be sure you have plenty of fresh air and adequate ventilation, when painting or staining.

Preparation of the Opening

Ensure opening is properly flashed and sealed prior to installing door surround (which includes the crosshead and pilasters) to help prevent water infiltration

Installation of Trim Strips

A) Install the trim strips on the sides of the door

1. Measure the height of the door from the top of the door down to the landing.
Note: Be sure to include any existing trim such as brick mold in your measurement
2. Cut the polyurethane trim board or PVC based on measurements taken above
3. Install the trim strips by placing a 1/4" bead of PL Premium on one side of the trim strip and press firmly into position on the house
Note: if using polyurethane trim board as install strips, apply PL Premium to unfinished side of the board



4. Screw or nail the trim strips in place using 1 3/4" exterior grade screws or nails, this will ensure the strips are held in place while the glue cures. Fasten with 2 screws at top, middle and bottom of the installation strips.

B) Install the trim strip on the top of door

1. Measure the distance from the outside of the left installation strip and the outside of the right installation strip.



2. Then cut the crosshead installation strip to size and apply a 1/4" bead of PL Premium and press firmly into position.

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- Secure the the crosshead installation strip to the house with exterior grade fasteners, the same used on the pilaster installation strips. (Fasten with 2 screws at top, middle and bottom of the installation strip). This will ensure the strips are held in place while the glue cures.

Note: Follow the guidelines set forth by the exterior facade manufacturer to finish facade (caulk, J-Channel, etc), next to the door surround and trim board to prevent water infiltration and create a beautiful finished exterior.

Note: If vinyl facade, install J-Channel around the installation strips to allow for adequate water mitigation. $\frac{5}{8}$ " J- Channel is recommended for the install.

C) Your opening preparation is complete

Installation of the Pilasters

First measure the height of the door from the top of the door down to the landing.

Note: Be sure to include any existing trim such as brick mold in your measurement.

- Once you have your measurement mark the height on the pilasters and cut the excess off from the bottom of the pilaster.

Note: it is critical to ensure that pilasters are level at the top of the door.
- If using a pilaster with a detached plinth block, you will first attach the plinth block to the pilaster. Apply PL Premium adhesive to the back of the plinth block, position block on pilaster and attach with exterior grade screws through the back of the pilaster.



- Begin installing the Pilasters.
- To do this you will first need to apply a $\frac{1}{4}$ " bead of PL Premium adhesive to the back of the Pilaster.
- Now position the Pilaster next to the door and firmly press it onto the installation strips and check for level.

- Finally fasten the Pilaster to installation strip using exterior grade screws ensuring that you countersink the screws into the Pilaster approximately $\frac{1}{8}$ ", similar to screwing into drywall.

Note: It is recommended that you use a minimum of 6 fasteners on each pilaster, two at the top, two in the middle and two at the bottom. Carefully and slowly screw into the pilaster $\frac{3}{4}$ " from the right or left edge.



Installation of Crosshead

- If your crosshead needs to be cut, follow the instructions below, otherwise skip to step 2.
 - If cutting the crosshead to fit the door surround is required:
 - For stock crossheads that need to be shortened to fit your application, take the desired width of the crosshead and divide the dimension in half. For example if the crosshead is 56" long and you need the cross head to be 52" long, take $52/2 = 26$ "
 - Next, measure from the right end of the crosshead "half" dimension, i.e. 26". Mark the measurement using a pencil and framing square.



- Follow step 1c, measuring the "half" dimension from the left, i.e. 26". Mark the measurement using a pencil and framing square.
- Cut the crosshead at the pencil marks.
- Place the right and left crosshead pieces on top of the entrance opening, ensuring the outer edge of the crosshead aligns with the outer edge of the entrance opening or pilasters and check for level.

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1g. Move to step 2 to install the cross head pieces

Note: If you are cutting your crosshead, a keystone is required as part of your door surround to cover the cut in the crosshead.

Note: If your exterior facade is vinyl, it is recommended that you install the crosshead so the vinyl siding sits in the J-channel which is located directly behind the top of the crosshead.

2. Now you are ready to install the crosshead

2a. Apply a bead of PL premium to the backside of the crosshead. Next you will firmly press the crosshead into position on the installation strips ensuring that the crosshead is properly centered and level above the door and pilasters.



2b. Next fasten the crosshead to the house. It is recommended that you use a minimum of 6 screws. Place the first screw 3/4" to 1" from the bottom of the crosshead on the left and second screw 1/2" from the top of the first screw. Repeat this process in the middle and the right end of the crosshead.



2c. When fastening the crosshead using exterior grade screws ensure that you slowly countersink the screws into the crosshead approximately 1/8", similar to screwing into drywall.

2d. If the crosshead had to be cut to shorten, you must now install the keystone to cover the seam at the center of the crosshead. Overlay the keystone onto the crosshead and center it over the opening. Fasten the keystone to the crosshead by placing 1/4" bead of PL Premium on the back side of the keystone and then use fasteners to secure the keystone in place. Slowly countersink the screws into the keystone approximately 1/8", similar to screwing into drywall.

Note: For aesthetic purposes, it is recommended to toe nail keystone to crosshead



Finishing the Door Surround

1. Now you are ready to fill the holes in the pilasters and crosshead (and Keystone, if applicable) where the fasteners were placed.

Note: It is important to use exterior grade filler. Once applied allow to dry before sanding.



2. Once you have sanded the filler you can now touch up with paint or coordinate the painting with the paint contractor.