

FRP FIRE RATED FRAME INSTALLATION INSTRUCTIONS

HOW TO INSTALL THE FRP FIRE RATED FRAME

THE FRAME HAS BEEN SHIPPED AS A KIT. CORRIM has found that most openings where doors are being replaced are not square. By shipping the frame as a kit, you can correct the problems and have a frame that fits and holds the door properly.

THE KIT CONTAINS THE FOLLOWING:

1. Two legs, with one leg with hinge pockets and one leg with a strike pocket for a single door frame or two legs with hinge pockets for a pair door frame.
2. One header piece.
3. Screws and hardware to assemble the unit and anchors to fasten it to the wall in a red package.
4. Fire stop sealant.
5. Fire stop intumescent gasket.

YOU WILL NEED THE FOLLOWING EQUIPMENT TO INSTALL THE FRAME:

- A. Two people will be needed to handle the unit.
- B. A long carpenter's level and right angle square.
- C. A pencil.
- D. An electric drill.
- E. A flat head and a Phillips screwdriver.
- F. A tape measure.
- G. A supply of shimming material.
- H. A 13/64 drill bit.
- I. A suitable drill bit to go through the frame and well into the wall onto which the frame is being attached.
- J. Fire stop caulking is included with the frame to seal the miter joints.
- K. Scissors or knife to cut the fire stop intumescent gasket.
- L. Once you know how you want to attach the frame to the opening, take enough of the bolts/screws to attach the frame. There should be an anchor adjacent to every hinge and directly across the opening in the strike leg.

- M. Make sure you take the proper size drill bit to drill through the frame at each anchor point. You will see in the detailed instructions that the anchors go through the frame on the stop.

OUTLINE OF STEPS TO INSTALL THE FRAME

1. Take the header piece and check that it will fit the opening.
2. Take one of the leg pieces and make sure that the unit will fit the vertical opening.
3. Put the frame together. (If you find that the opening is out of square, you can alter the opening at this point to make sure that the door will fit properly. REMEMBER, DO NOT ALTER THE FRAME. IF YOU ALTER THE FRAME OPENING SIZE AND THE DOOR MIGHT NOT FIT. IF POSSIBLE, ALWAYS MAKE THE OPENING FIT THE FRAME.)
4. Stand the frame into the opening and make sure it fits properly.
5. Attach the frame to the wall.
6. Attach the hinges to the door.
7. Stand the door in the frame and, using shims, make sure that the frame clears the door properly all the way around.

After the frame has been successfully dry fitted, lower the frame out of the opening. THE HINGE SIDE OF THE FRAME HAS BEEN CLEARLY MARKED. IT IS ALSO MADE CLEAR BY THE LOCATION OF REINFORCED BLOCKS ON THE INSIDE OF THE FRAME. (A large frame will have more than three hinge blocks and the doors will require more hinges. A double doorframe will have larger blocks on both sides.)

ATTACH WHATEVER HARDWARE IS STILL NOT ATTACHED. THE DOOR SHOULD NOW FUNCTION.

THE FRAME INSTALLATION IS THE MOST IMPORTANT PART OF HAVING THE DOOR WORK PROPERLY. IF THERE ARE PROBLEMS INSPECT THE FRAME INSTALLATION TO DETERMINE WHAT ADJUSTMENTS ARE REQUIRED.

FRAME INSTALLATION

IF YOU ARE USING LONG SCREWS TO ANCHOR THE FRAME, you can now stand the frame up in the opening and, drilling through the frame in the proper places, you can anchor the frame to the opening.

IF YOU USE THE STAINLESS STEEL BOLTS AND STAR ANCHORS, you will have to do the following:

At the proper places, drill a 3/8 inch hole. Once all the holes are drilled, you will need to stand the frame in the opening and, with a scribe, mark on the opening the places where

you will have to drill out the surface for the compression anchor. Before marking the opening, make sure that the frame is plumb and dimensionally correct. Take the frame out of the opening and drill out the wall (3/8" drill) and insert the anchors so that they are flush with the surface. Put the frame back and tighten the anchor bolts so that the frame is secure and well attached. **THE BETTER THE FRAME IS FITTED; THE LONGER THE DOOR WILL LAST.** The other anchor options that are available are T-Strap and Wire anchors for masonry wall construction. The T-Strap and Wire anchors are set in place with the frame as the masonry wall is constructed. If the frame is KD, a bead of Fire Stop Sealant will need to be applied the joint where the header and the legs fit together. The hardware machining should be inspected after the frame is installed and prior to installing the door. If there are any cavities in the hardware pockets, they should be filled with Fire Stop Sealant. Once the frame and door installation is complete and the wall is finished, the frame should be caulked to the wall with Fire Stop Sealant.

HANGING THE DOOR IN AN FRP FRAME

Making certain that the backsets are all the same, attach the hinges to the door. Set the door at 90 degrees to the frame and using shims, set the door so the opened leaves of the hinges are in series. Check to see that the clearance under the door is correct, and then drill one hole per hinge into the frame. (The screws will hold very securely in all the FRP blocks.) Remove the shims and make sure the door will swing cleanly into the frame.

The frame should be caulked to the wall to fill any gaps using Fire Stop Sealant.

When you attach any additional hardware, latches, strikes, door closer, weather stripping, etc., make sure the screws go into solid material.

Install the intumescent gasket on the frame per the package instructions at this time.

A Material Safety Data Sheet and a Tremco Technical Sheet are included for the Fire Stop Sealant. The Fire Stop Sealant is supplied in Rust Red, White or Limestone. Any UL Classified Fill Void or Cavity Material in UL Category XHHW is acceptable for the fire stop sealant.

IF YOU HAVE ANY QUESTIONS WITH THE FRAMES, PLEASE CALL CORRIM AT (920) 231-2000. A CORRIM CUSTOMER SERVICE INDIVIDUAL WILL ASK FOR A CORRIM JOB NUMBER (a five digit number) OR A SERIAL NUMBER AND A CUSTOMER NAME.

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