



4500 New Construction Patio Door Installation Guide

Remove door from packaging and inspect for damage. Report any damage to dealer.

Prepare opening.

- 1) Be sure the opening is clear of all fasteners, dirt and debris.
- 2) Allow enough clearance (1/4" min) at jambs and head.
- 3) Check that opening is square and plumb. Be sure **floor is level**. The door will not operate correctly if installed on an uneven or sloped sub floor. Be sure to install a sill pan or flash the sill before installing the door.

DOOR INSTALLATION

- 4) Caulk the inside surface of the nail fin that will contact the rough opening surface. Be sure the sealant covers the pre-punched holes in the nail fin. (***For replacement applications only, remove the nail fin on all sides by first scoring it with a utility knife down its entire length. Once scored, it can be manipulated back and forth until it snaps off.***)
- 5) Caulk under the sill of the frame where it will contact the rough flooring or sill pan.
- 6) Place the frame into the opening, allowing even clearance between frame and opening at head and jamb conditions.
- 7) Tack 1 3/4" roofing nails at each corner through the pre-punched holes in the nail fin. (***Not applicable for replacement applications.***) Nails must penetrate framing at least 1 1/2". Place shims between rough opening and the vinyl door frame where the keeper is to be located. Check Diagonal measurements to insure frame is square. Check height, width, level and plumb. Once all checks are completed and no more than 1/8" difference, install 1 3/4" roofing nails in every other hole along the nail fin. Be sure to flash the door frame to rough opening using industry best practices.
- 8) If operating panel was removed, install panel at this point. Adjust the roller wheels using a #2 Phillips head screw driver. Using a screw gun will damage the roller assembly. The adjustment screws can be accessed thru the holes on the side of the operating panel. You must lift the panel to allow the wheels room to adjust without the weight of the sash on them. Be sure the sash contacts the weather stripping on the frame evenly. Be sure the sash closes evenly at the lock jamb and reveals are even.. If the reveals are not even there may be air infiltration.

HARDWARE INSTALLATION

- 9) Install the plug buttons on the roller adjustment holes.
- 10) Install handle set using the instructions provided in the handle set bag.
- 11) Remove the existing keeper screws and replace them with screws in the handle set bag. Adjust the keeper to accommodate lock engagement and tighten screws. Keeper screws must go thru the shims (step 7) and penetrate the rough opening framing at least 1 1/2". Be sure not to bow the jamb when tightening the screws.
- 12) Install the screen by inserting it at the top and swing the bottom onto the sill roller track. Adjust the bottom rollers so the screen is evenly spaced between the top track and the sill track. When this is done adjust the top rollers to eliminate upward movement but lets the screen roll easily. The keeper is attached to the screen door lock handle. Install according to instructions provided with the keeper.