

Heritage Series Contemporary Style Sliding Patio Door Renaissance Series Contemporary Style Sliding Patio Door

When installing the astragal on AMSCO four-panel (OXXO) sliding patio doors, the following guidelines are recommended.

1. It is critical that all doors be installed in accordance with ASTM E2112 installation guidelines on which Installation Masters training and AMSCO Windows' installation guidelines are based.
2. The sliding patio door comes braced with wood bracing around the perimeter and cross bracing to help prevent the door from being racked or broken through transport and delivery. See Figure 1. Do not remove the bracing before the door is ready to set into the prepared opening upon installation.



Figure 1

3. A very critical part of a sliding patio door installation, particularly with sliding patio doors greater than 6 feet in length, is to ensure that the sill and head of the door are not only plumb, square and level, but that a chalk line is used on the floor to keep the door in a straight and true plane so there is no bowing of the frame in the head, sill or jambs.



Figure 2

4. It is recommended that when installing the frame, place one or two fasteners through the head of the frame channel after any necessary shims are placed to keep the head sturdy and from twisting during the astragal installation. See Figure 2. This will allow the astragal on the vent to slide smoothly and without interference.

5. Four-panel doors are installed in a similar fashion as two-panel doors. The difference is that the vents must be squared and aligned with an even reveal between each other from top to

bottom. The rollers must be adjusted before the astragal can be applied. The handles must also be assembled and aligned properly prior to the astragal installation. See Figure 3 as an example of a proper reveal and aligned handles



Figure 3

6. When applying the astragal, install it with the flat side towards the Stile of the secondary active panel and the side with channels towards the opening between the two active panels. The strike for the lock will be recessed into the center channel. Also, the pre-punched holes will fit over the adjustment screws on the door panel.

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- 7. The astragal should have a minimal gap (approximately 1/8") at the head and sill of the door to keep air and water infiltration to a minimum. See Figure 4.

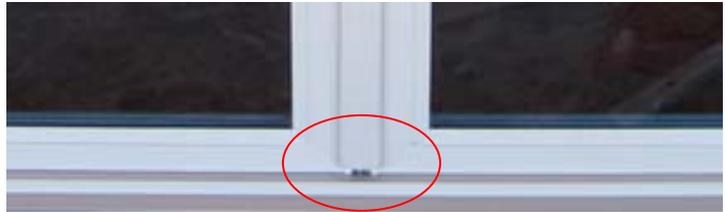


Figure 4

- 8. Attach the astragal with the self-tapping screws available in a minimum of four (4) locations from the top to the bottom of the patio door stile. Do not use screws longer than provided or you run the risk of penetrating the insulated unit and fracturing the glass. See Figures 5, 6 and 7.



Figure 5



Figure 6



Figure 7

- 9. The weather stripping should be completely covered and the handles lined up when the astragal installation is complete. See Figure 8.

- 10. The door should roll freely from side to side without the astragal touching the head or sill of the door while operating. If the door is not installed in a level condition, the gap at the head and sill will vary as the door is rolled back and forth from the open to the closed positions hindering the operation of the vent.



Figure 8