

# Hybrid Sliding Patio Door Panels

## Installation & Removal Instructions

### Materials & Tools Required:



Silicone sealant



Expanding foam tape  
(Lux Part # SE.TP.EFM.3/8.315)



Steel brackets  
2 per fixed panel  
(Lux Part #HD.HBPD.B)



Flat Head Low Root 4.2 x 16 PVC screws  
4 per bracket  
(Lux Part #FS.SC.4.2X16)



M4x16 screws  
2 per bracket  
(Lux Part #FS.SC.TEK.M4x16)



#10 X 1/2" truss head screws  
Quantity varies by panel height.  
(Lux Part #FS.SC.PH.10X1/2)



Roller Access Cap  
(Lux Part #VY.PLUG.1/2 - Plug  
Vinyl 1/2)

#### Other parts shipped loose:

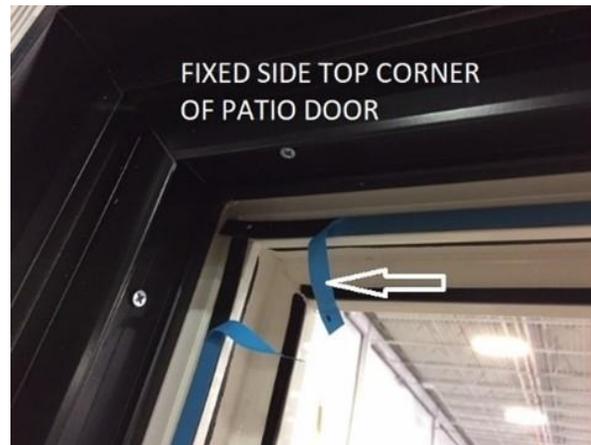
- Vinyl Interlocks
- Metal Interlock Cladding
- Aluminum sill threshold
- Bumpers and bumper brackets

#### Not Supplied:

- Rubber mallet
- #2 Robertson screwdriver
- Philips screwdriver
- Flat head screwdriver
- Shims
- Pencil

## Fixed (Inactive) Panel Installation:

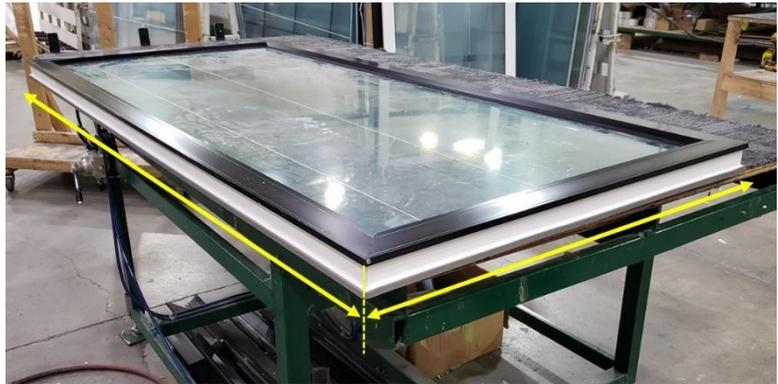
1. Remove all transportation wrapping/protection from panel, including the blue film applied to metal cladding.
2. Clean the panel as required.
3. Prepare the frame for the installation of the fixed panel.
  - a. Ensure pre-applied glazing tape along the sill, fixed jamb and head is not damaged and that the protective film is 100% intact and fully covers the tape surfaces.
  - b. Fold the corners of the protective film over ('dog-ear') at the sill/head & jamb corners.



- c. Daub each tape joint/end with silicone sealant (Tremco S500).



4. Prepare the fixed panel by applying expanding foam tape (ExoAir Impregnated Pre-Compressed Tape) to the vinyl edge on the top and the side of the panel what will be inside the frame.



5. Take hold of the fixed panel and insert the top of the panel into the fixed side head of the door, and then rotate it into place onto of the sill support.



6. Push the fixed panel horizontally into the fixed frame jamb until it bottoms out. We recommend using a spreader clamp (located between the fixed panel and lock jamb) to ensure the fixed panel is pushed and held tight to the fixed frame jamb. Again, ensure the glazing tape protective film ends are exposed and accessible.
7. Install the supplied steel brackets to the head and sill ends of the fixed panel using 4 – flat head low root 4.2 x 16 PVC screws (Lux Part #FS.SC.4.2X16).



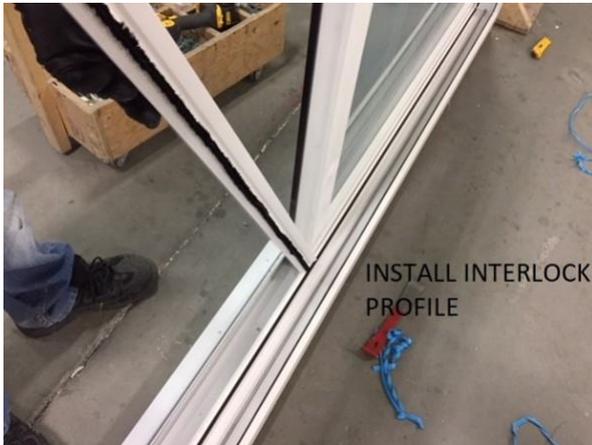
8. Fasten the steel brackets to the head and sill using 2 - M4x16 screws (Lux Part #FS.SC.TEK.M4x16) per bracket.



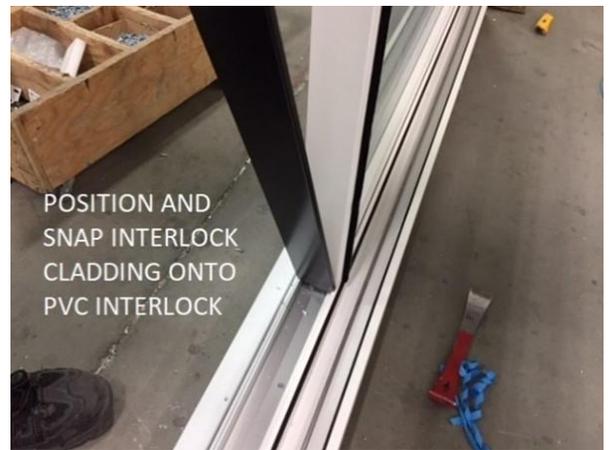
9. Carefully remove the glazing tape protective film and then, from the exterior of the door, press the sealed unit onto the glazing tape.



10. Install the supplied PVC interlock. Position it against the side of the fixed panel and then carefully snap the profile onto the panel using a rubber mallet.



11. Next, take the interlock cladding and place it against the PVC interlock profile. This piece is also snap-fit onto the PVC interlock profile using a rubber mallet.



12. Secure the PVC interlock profile using #10 X 1/2" truss head screws (Lux Part #FS.SC.PH.10X1/2) spaced 8" to 12" apart.



13. Carefully place and then snap the aluminum sill threshold onto the sill between the operating jamb and the fixed panel interlock. Start by angling the part into the operating jamb end corner and then lower the part onto the sill. Take extra care not to scratch the fixed interlock cladding in the process.



14. Secure the pre-applied bumper brackets mounted on the interior of the fixed jamb using 2 - M4x16 screws (Lux Part #FS.SC.TEK.M4x16) per bracket.



15. Slide the bumper(s) onto the bracket.



## Operating Panel Installation:

1. Remove all transportation wrapping/protection from panel.
2. Clean panel as required.
3. Remove the roller access hole caps from each end at the bottom of the panel and using a #2 Robertson screwdriver adjust the rollers (turn counterclockwise) to their minimum height position.
4. The panel can now be inserted into the frame.
  - a. Lift the panel and tilt it so that the top of the panel slips into the head of the patio door (Photo 1).
  - b. Once the panel has been inserted into the head track, move the bottom of the panel into position over the frame sill track and lower onto the track (Photo 2).



Photo 1



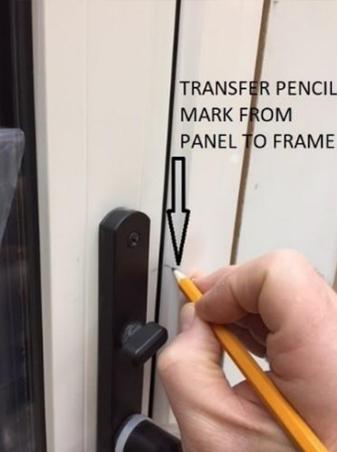
Photo 2

5. Push the panel over enough that both roller access holes can be reached with a Philips screwdriver.
6. Adjust the rollers so that the panel is supported by the rollers and the panel can move freely. Lifting the panel (a pry bar helps to support the panel) during this process allows for easier roller height adjustment.
7. Adjust the rollers until the panel is level and in-line with the interlock and patio door lock jamb. Check operation and if required make further adjustments to the rollers. Replace access caps.



## Install Keeper (Single Patio Doors ONLY)

Use this simple method to install the keeper into the jamb channel of the patio door frame. This step is not required on bi-parting patio doors, as the keeper is already installed on the active panel.

<p><b>1.</b></p>	<p>Hold the keeper against the lock and while depressing the safety pin, engage the latches to hold the keeper in place</p>	 <p>LOCK THUMB TURN</p> <p>PATIO DOOR KEEPER</p> <p>This image shows a close-up of the door's locking mechanism. A hand is holding a silver metal keeper against the lock. A black thumb turn is visible above the keeper. A white arrow points to the thumb turn, and another white arrow points to the keeper. A small plastic bag containing a screw is visible in the lower-left corner.</p>
<p><b>2.</b></p>	<p>Center the keeper on the lock plate and using a pencil, mark the top location of the keeper on the panel.</p>	 <p>MARK TOP OF KEEPER WITH A PENCIL MARK</p> <p>This image shows the same door frame as in step 1. A hand is using a pencil to mark the top edge of the door panel, directly above the top of the silver metal keeper. A white arrow points to the pencil mark.</p>
<p><b>3.</b></p>	<p>Close the door and transfer the pencil mark position to the frame edge.</p>	 <p>TRANSFER PENCIL MARK FROM PANEL TO FRAME</p> <p>This image shows a hand using a pencil to mark the edge of the door frame. The pencil is positioned at the same vertical level as the mark made on the panel in the previous step. A white arrow points to the pencil tip on the frame.</p>

<p><b>4.</b></p>	<p>Open the door and once more transfer the pencil mark position to the jamb channel.</p>	 <p>TRANSFER FROM FRAME EDGE TO FRAME CHANNEL AND SECURE KEEPER USING SUPPLIED MOUNTING SCREWS</p>
<p><b>5.</b></p>	<p>Remove the keeper from the panel and place it so that the top of the keeper is in line with the pencil mark in the jamb channel.</p>	<p><b>NOTE: Make sure to shim the area between the keeper location and the rough opening.</b></p>
<p><b>6.</b></p>	<p>Use the supplied #10 x 4" flat head screws to mount the keeper. A groove in the channel marks the location for the screws.</p>	
<p><b>7.</b></p>	<p>Close the door panel and check for play between the keeper and the lock.</p>	
<p><b>8.</b></p>	<p>Using a flat head screwdriver, adjust the lock latches until they catch the keeper and provide minimal panel movement play when locked.</p>	 <p>ADJUST LATCH THROW</p>
<p><b>9.</b></p>	<p>If the keeper is not properly aligned with the lock latches, loosen the screws that fasten the keeper to the jamb slightly, and align with the latches as required. Re-tighten the screws.</p>	

*Check the full operation of the patio door.*