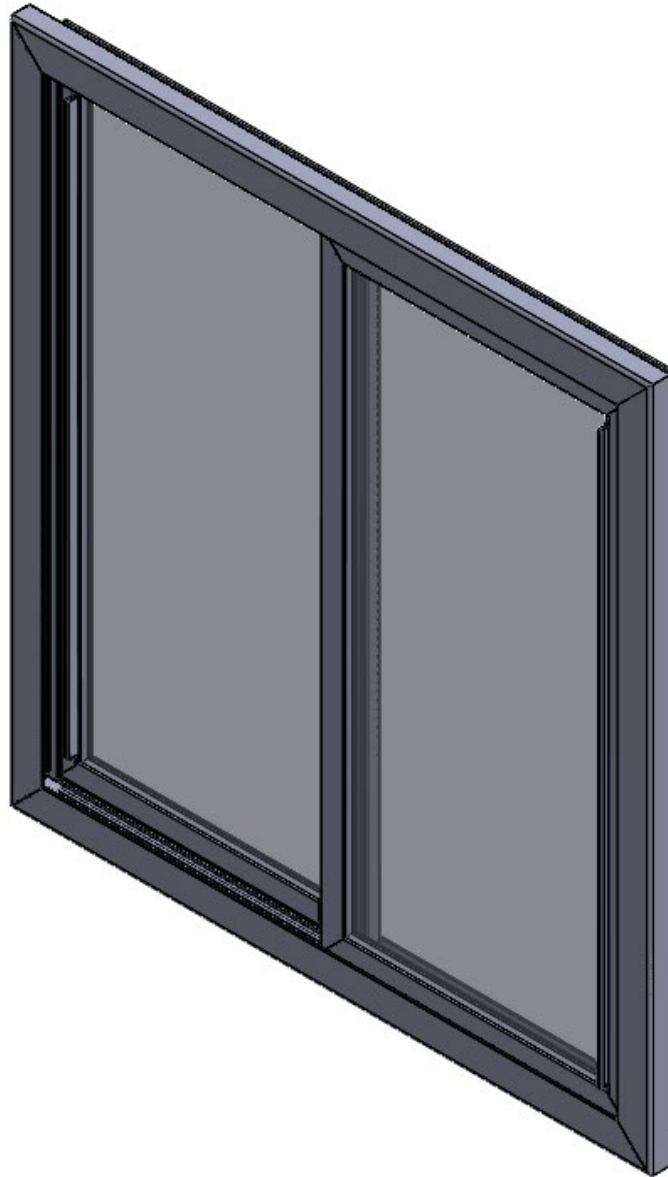




# INSTRUCTIONS FOR INSTALLING THERMOSEAL CC3000\_C3100 PVC SLIDER

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### Tools / Supplies Required

1. 36" Long Level/Straight Edge, or 48" Long if cabinet opening will allow
2. Tape Measure
3. 1-1/2"-to-2" Wide Blue Painter's Tape (removable tape without adhesive residue)
4. Soft, Non-Marking Rubber Mallet (palm of hand works well also)
5. Battery operated screw driver with adjustable torque setting (Phillips head)
6. Phillips head screw driver for hand-tightening any screws
7. Small eyeglass-style regular screw driver (for adjusting flat-head screws inside jamb adjusters in frame)
8. Suitable Thin Shim Material for under the Sill of the PVC Frame if cabinet is bowed
9. Silicone Caulk or Snap-In PVC Trim Piece if required or specified

### Additional Helpful Tools / Supplies to Have On-Hand

10. Sharp flat chisel (1/2" wide to 3/4" wide)
  11. Utility knife (for trimming or shaving PVC, etc.)
  12. Fiskars-style small utility snips (to trim PVC, gaskets, etc.)
  13. Black erasable white board marker (for marking cabinet or PVC – should wipe off cleanly)
- Isopropyl alcohol wipes or alcohol with soft cloth for removing marker (if needed)

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## Safety and Warnings



### BEFORE YOU BEGIN

Read instructions completely and carefully.

#### WARNING: TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY, OBSERVE THE FOLLOWING:

- 1) Use this unit in the manner intended by the manufacturer.
- 2) Before servicing or altering, switch power off.



For use inside a commercial refrigeration case with packaged foods only.

### FOR YOUR SAFETY

Read and observe all CAUTIONS and WARNINGS shown throughout these instructions. While performing installations described; gloves, safety glasses or goggles should be worn.



### PREPARE ELECTRICAL WIRING

#### Electrical requirements

This appliance must be supplied with 120V, 60 Hz, and connected to an individual and properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker or time delay fuse.

#### Grounding Instructions – Cable Direct

This lighting system must be connected to a grounded metal, permanent wiring system, or an equipment grounding connector must be run with the system conductors and be connected to the equipment grounding terminal or lead on the lighting fixture.

### PROTECTIVE GEAR NOTICE

	<p><i>Protective Eyewear– Potential risk of eye injuries, protective eyewear required when performing this, and any other associated tasks.</i></p>
	<p><i>Protective Gloves– Potential risk of injury to your hands, protective gloves required when performing this, and any other associated tasks.</i></p>
	<p><i>Footwear Protective – Potential risk of injury to your feet, wearing protective footwear is required when performing this and any other associated tasks.</i></p>

## 1. Cabinet Opening Expectations Before Frame Installation

- 1) Smooth, Flat, Square cabinet opening
  - a. Inspect inside perimeter of cabinet opening to ensure that thermal breaks are fully-installed, no foaming “bumps”, “bulges” or “residue” exist, and that there are no obvious impediments to a smooth insertion of the snug-fitting PVC Frame
- 2) Use straight edge to check flatness of Sill, Jambs and Header
  - a. It is Very Important that the SILL be FLAT – if the Sill is bowed up or down, then the entire installation will be problematic (like a crooked foundation on a house)
  - b. A severely bowed ( $>1/16$ ”) Sill will require the installer to shim the frame during installation to prevent the Sill of the Frame from conforming to the shape of the cabinet opening – which will cause the doors to “rotate” or “tilt” at the top
- 3) Measure the Opening of the Cabinet Frame at the Vertical and Horizontal Quarter Points (e.g., 25, 50 and 25 yard line) and on the Diagonals, to ensure a square opening that is not twisted or bowed
  - a. The Cabinet Opening Quarter Points should not vary by more than  $1/16$ ”, and the Cabinet Opening Diagonals by more than  $3/32$ ”

## 2. PVC Frame Installation Instructions

- 1) Inspect PVC frame for any obvious shipping or manufacturing defects or missing parts – correct if possible or advise Thermoseal for replacement parts or RMA.
  
- 2) Check PVC Frame to ensure that all jamb adjusters (located in both Jambs and the Header) are flush with the surface of the PVC Frame where it will contact the cabinet walls – if jamb adjusters are standing proud, gently push them in to re-seat them so they do not “hang up” during frame insertion (they can sometimes vibrate loose during shipment).
  
- 3) Tear nine (9) six inch (6”) long pieces of blue painter’s tape, and stick three (3) on each side of the cabinet opening (at the quarter points), and three (3) on the top (the tape will function as an “extra pair of hands” during frame installation, and will allow simple adjustments to the Frame to achieve a flat installation).
  
- 4) Lift PVC Frame by the sides, and gently slide the SILL in FIRST, and then the remainder of the Frame – use your PALM or the Soft Mallet to tap the Frame in place against the face of the cabinet – the Frame should stay in this position by itself if the frame and the cabinet opening are snug, as they should be (no more than 1/8” clearance is required).
  
- 5) Ensure that the SILL is seated properly (knee or shin works well, or additional tape pieces if installer prefers), and then GENTLY press the Frame against the cabinet and apply Blue Tape to the face of the frame and onto the sides of the cabinet to hold the frame in place – DO NOT BOW the Frame – a FLAT PLANE is required.
  
- 6) Visually inspect the Frame for Flatness against the face of the cabinet (stand to the side of the cabinet and look at it) – if in doubt, use the straight edge to confirm visual inspection.
  
- 7) Make small adjustments with the blue tape in order to relieve any bow in the Frame before installing any screws.
  - a. It is VERY IMPORTANT that the PVC Frame be FLAT, or the doors may not operate smoothly nor pocket properly into the Frame
  - b. Note that there is soft foam tape on the Face of the Frame to absorb variations in the foamed cabinet sheet metal, so it is More Important for the flexible PVC Frame to be FLAT, than to be “pressed flush against an undulating sheet metal cabinet face”
  - c. Allow the Frame to “stand proud” vs. the cabinet sheet metal, rather than pressing it tight against the sheet metal of the cabinet.
  
- 8) If you noted any variations (bow up or down) in the Sill of the Cabinet, be sure to SHIM the Sill of the Frame BEFORE installing screws.
  - a. Shim with material that is suitable for the application, and slide the shims in adjacent to the pre- punched Frame Installation screw holes in order to support the PVC adjacent to the installation screws.

9) Using the Small Flat Head Screwdriver, GENTLY tighten the Jamb Adjuster Screws until the feet of the Jamb Adjusters JUST TOUCH the walls of the cabinet opening (Finger-Tip Tight, like the screws on a pair of eyeglasses!)

- a. These screws are there to SUPPORT the PVC Frame immediately adjacent to the screws, and to prevent the PVC from deflecting and/or to prevent Frame Bowing
- b. GENTLY SNUG all Jamb Adjusters
- c. DO NOT allow the Jamb Adjusters to “pop the tape loose”, or cause the Frame to BOW IN at the Jambs OR the Header
- d. If in doubt, use the Level to CHECK for Bow, and adjust by loosening the jamb adjusters and tightening the tape
- e. A FLAT, UNBOWED Frame is KEY – it should NOT be Hour-Glassed IN, or Bowed Out

10) AFTER snugging the Jamb Adjusters in the Jambs and Header, and Shimming the Sill if needed, you may install the installation screws.

11) Install SILL installation screws FIRST, and DO NOT OVER TIGHTEN them (i.e., do NOT deflect the PVC with the screws – GENTLE and SNUG is all that is required)

- a. The screws are NOT “structural fasteners”, they are ONLY there to hold the Frame in place.
- b. There is NO NEED to over-torque the fasteners – GENTLE and LIGHT is all you need.

12) Double-Check the SILL with the level for FLATNESS – adjust the Frame by backing off the installation screws a turn or two and shimming if needed.

13) Double-Check that the FACE of the Frame is still FLAT, and adjust the blue painter’s tape as needed if it is not.

14) After you double-check Frame Flatness, proceed to Install the installation screws in the Left and Right Jamb, and DO NOT OVER TIGHTEN THEM (i.e., do NOT deflect the PVC with the screws – GENTLE and SNUG is all that is required).

- a. Working from bottom-to-top is fine, as long as the Frame is FLAT, and the Jambs are NOT BOWED in or out
- b. The tape will “hold” the Frame in place while the screws are installed

15) Double-Check BOTH JAMBS for FLATNESS – and adjust the Frame for flatness (if needed) by gently loosening the tape on the jambs, and then backing off or tightening the jamb adjuster screws to line up the jamb (flat and square) and then re-snug the Jamb installation screws.

- a. A FLAT Opening is Important for a good Frame Installation

16) Double-Check the Header for FLATNESS with the level or straight edge, adjust as needed, and then install the screws, and DO NOT OVER TIGHTEN THEM.

17) Install the COLD SIDE Spring Retainer Screw up into the Cabinet Header, and DO NOT OVER TIGHTEN.

18) Install the COLD SIDE Sill Track by inserting the Right or Left Corner into the appropriate corner of the Frame where the Sill Meets the Jamb, and then GENTLY BOW the Track in the Middle, Insert the opposite end, and then SNAP the Sill Track down onto the "C"-channel legs inside the Cold Side Frame Pocket.

19) Install caulk between Cold Side Frame and Cabinet Wall if required, or install Snap-In PVC Trim piece if purchased and required (NOTE that this step is customer-specific and may or may not be required).

20) Install the COLD SIDE (LEFT) Door First, by ANGLING the Top Left Corner of the door to insert up into the Cold Side Header Pocket and then engage the Black Nylon Self-Closing Device (a.k.a., "Torpedo"), and GENTLY Lift and Rotate the Door Counterclockwise and Extend the Spring from Right-to-Left, and then set the door down onto the track into the Cold Side Pocket of the Sill Frame.

21) Install the WARM SIDE (RIGHT) Door Second, by repeating and reversing the above step.

22) Double-Check operation of both doors for smooth rolling and quiet pocketing, and adjust Frame installation only if needed.

23) Remove Blue Painter's Tape from Frame

## Revisions

<u>Rev.</u>	<u>Description</u>	<u>Date</u>	<u>Orig.</u>	<u>Inc.</u>	<u>Chk.</u>
A	Production release	12/12/25	HT	HT	