

Tools Required for Installation

- 1) Level
- 2) Marker or Sharpie
- 3) Ladder
- 4) Drill with 1/4" and 15/32" drill bit (for metals)
- 5) Wrench 18mm
- 6) Ratchet with 14mm (or 9/16") attachment
- 7) Wrench 10mm
- 8) Ratchet with 10mm attachment
- 9) Utility Knife
- 10) M3 Allen Wrench

Please Note

Wall anchors provided are for cold room (cooler/freezer) panels. If mounting into a different surface, the installer should provide their own wall anchors, compatible with the mounting surface and are rated to support the gross weight of the door that you are installing. Should you have any concerns please contact a registered structural engineer in your area

INSTALLATION STEPS

1 - Inspect the contents of your box to ensure that all necessary parts have been included using the packing list provided with your order. Each door kit will have two boxes inside the core. One box will contain stainless steel hinges/fasteners and the other box will contain stainless steel plates. The PVC panels will be wrapped around the cardboard core.

Inside the Hinges/Fasteners box

- Left Side Hinge (1)
- Right Side Hinge (1)
- Expansion Bolts (12)
- Stainless Steel Dome Nuts (22)
- 3/8" Stainless Steel Bolts (16)
- 1/2" Stainless Steel Bolts (6)

Inside the Plates box

- Left Side Stainless Steel Plates (2)
- Right Side Stainless Steel Plates (2)

2 - Remove Ecoflex hinges from box. Determine if you want to install on the face of wall (see figure 2) or under the lintel (not pictured). Most installations will be "face of wall" because there will be an insulated door filling up the door jamb. Identify which is the right hinge/left hinge (refer to figure 2). Hold the hinge in place so that the hinge lines up perfectly with the door opening (see figure 2). Use the level to determine that the top of the hinge is "level" and stays that way while you mark all the hole locations. Mark hole locations using marker or Sharpie (in the dead center of the hole). Repeat process with the other hinge.

3 - Once all 12 holes are marked (6 for each hinge), drill a pilot hole of 1/4" for all 12 (Figure 3). Most walk-ins are made from insulated panels which are 2 inches, 3 inches or 4 inches thick. A depth of 1 3/4" is required for this hole. Be careful not to punch through the visible cooler/freezer wall and then continue drilling all the way through the other side of the wall (into the next room). If you encounter a situation where you cannot drill to an appropriate depth due to obstructions, consider using a different fastener for that hole. However, it is possible to install the door with at least 4 expansion bolts installed. Use 15/32" drill bit to drill holes out to the proper size to receive the expansion bolts.

Figure 1: Hardware Contents

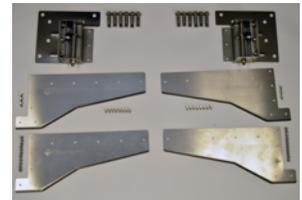
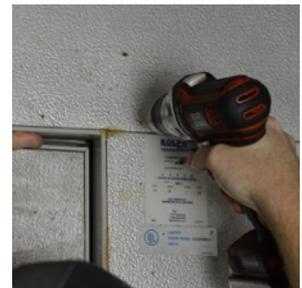


Figure 2: Mounting Options
Left Hinge – Face of Wall Mount



Figure 3: Drilling Holes



4 – Hold the hinge in place and insert the expansion bolts through the hinge into the wall (Figure 4) Each expansion bolt has a nut at the end. To make it faster and easier to expand these bolts in the wall, use your fingers to get the nut as tight as you can without actually expanding the bolt before you insert it through the hinge and into the hole in the wall. Use the 18mm wrench to hold expansion sleeve (outer hex) in place while using the 14mm or 9/16” ratchet attachment to tighten the bolt (inner hex) and nut. 18mm wrench should be thinner or with a low profile so it doesn’t obstruct the ratchet from tightening the bolt. Once the bolt and nut are fully tight, the outer sleeve will expand inside the wall (Figure 5). Repeat process with all 12 expansion bolts.

Figure 4: Inserting Expansion Bolts



5 – Now that hinges are firmly installed, remove stainless steel plates and PVC panels from box. Sandwich the PVC panels in between the stainless steel plates, with the bottom lip of the stainless steel plate facing away from the PVC panels on both sides (see Figure 6). Use the 3/8” length stainless steel bolts and dome nuts to attach the plates together, with the PVC panel in between. Make sure the dome nuts are facing away from the insulated panel door and into the open room.

Figure 5: Tightening Expansion Bolts



6 - Next, lift the PVC panels (with stainless steel plates attached) and use the remaining stainless steel dome nuts and 1/2” length stainless steel bolts to attach the plates to the hinges (Figure 8). All stainless steel dome nuts should be tight.



Figure 6: Attaching plates to PVC panels

7 – Using a utility knife, trim each PVC panel to the desired length. Leave approximately 1/4” to 1/2” clearance from the floor.



8 – After the first 6 steps the door is installed. However, an additional step may be necessary to adjust the tension of the spring system within the hinge. The door and hinge should swing open when traffic comes through it and should return to a closed position after traffic goes through it. If either fails to happen, an adjustment to the spring is needed. Using a M3 (metric) allen wrench to loosen the spring (if the hinge does not swing open when traffic goes through) or tighten the spring (if door fails to return to a closed position after traffic goes through (Figure 9)



Figure 8: Attaching plates to hinges



Figure 9: Adjusting tension spring

