



INSTALLATION INSTRUCTIONS SECTION 3: NARROW AND WIDE STILE PHARMACEUTICAL DOORS

Instructions available in Spanish

THE FOLLOWING INFORMATION IS PROVIDED BY PLASCORE, INC. AS A GENERAL GUIDELINE FOR INSTALLATION OF THE PLASCORE NARROW STILE PHARMACEUTICAL DOORS. THIS INFORMATION SHOULD BE REVIEWED PRIOR TO COMMENCING INSTALLATION. THE INFORMATION IS INTENDED TO COVER STANDARD INSTALLATION PRACTICES, AND MAY NOT COVER CUSTOM DETAILS SPECIFIC TO THE PARTICULAR PROJECT IN QUESTION. CONSULT PLASCORE INC. FOR QUESTIONS ON CUSTOM INSTALLATION APPLICATIONS.

1. RECEIVING MATERIAL

- A.** Materials are packed in crates which may be up to 3,600 lbs, and 144 inches long. Plascore advises that crates be handled by fork trucks with long forks and appropriate load ratings.
- B.** Standard shipping arrangements are made with box trucks to be unloaded at a shipping dock. Special arrangements can be made at an upcharge to ship materials on Flatbed trucks for side loading/unloading.
- C.** Crates will typically be stacked on the trucks to minimize freight costs. Considerations should be made to unload stacked crates in a safe and careful manner to avoid damage and injury.
- D.** Receiver should visibly inspect all crates as they are unloaded. Any crate damage should be noted on the bill of lading to facilitate a freight claim if product is found to be damaged.
- E.** Receiver should verify the packing slip matches the crate labels as they are unloaded. Notify Plascore immediately of any discrepancies.
- F.** Crates should be stored in a climate controlled area where they are protected from moisture, humidity, and temperature extremes.

(CONSTRUCTION TIPS:)

- 1. Using short forks may result in crates tipping and being punctured by the end of the forks.
- 2. Door crates are typically built to be 4 way and handled from either side.
- 3. Do not store crates under tarps outdoors. Tarps can become torn or lose their waterproofing characteristics quickly, allowing water to penetrate to the crates.

2. UNCRATING/INSPECTING MATERIAL

- A.** All doors should be unloaded by two people to prevent handling damage.

B. If damage to material is noted, stop unloading and notify Plascore immediately for further instruction. (Please reference Plascore submittals for material data sheets on acceptable product defects/tolerances)

C. It is advised that customers inventory material as they are uncrating it and notify Plascore immediately of any discrepancies from the crate label descriptions.

(CONSTRUCTION TIPS:)

- 1. Remove all 4 sides from the door crates before removing the doors.*
- 2. Doors may ship with leaf and jamb together in the same crate, or separate crates depending on the job. If shipped together, leaf and jamb will need to be separated for installation.*

3. INSTALLATION OF JAMB

A. Remove the door leaf from the jamb. They will be installed later.

B. If the jambs are available during installation of the wall, the jambs can be installed in sequence with the wall. If jambs are not available during installation of the wall, follow the same steps to create a plumb and square opening within the wall. Final adjustments can be made once the jamb is installed.

C. Install one panel on either side of the door opening. Be sure this panel is completely plumb with the door opening to establish the first vertical plumb edge.

D. Install the jamb in the door opening, with the base of the vertical extrusions going all the way to the floor. Be sure the jamb is plumb against the first installed panel, and level across the top horizontal. It may be necessary to shim the bases to achieve level.

E. Fasten the jamb into the panel using the supplied #10 x 1" TEK screws. Each jamb will have a series of 1/2" clearance holes on the inside of the jamb to use as fastener points. The jamb should be centered within the 2" wall panel so that the screws install into the spline slots.

F. Install a panel spline into the wall above the door jamb and insert the door header panel in place.

G. Install a panel spline into the header panel, and install the second adjacent wall panel up tight to the door jamb.

H. Confirm that the door jamb is still plumb with the new panel and adjust if necessary. As a last step, measure the squareness of the door jamb. Measure upper left corner-lower right corner, and upper right corner-lower left corner. If these measurements are not equal, adjust the leg of the jamb until they are equal.

I. Once the door jamb is plumb, level, and square, fasten the jamb into the second wall panel.

(CONSTRUCTION TIPS:)

- 1. It can be helpful to clamp the jamb to the wall to hold it centered on the wall while installing screws.*
- 2. It is critical to get the jamb plumb, level, and square. You may experience issues with poor gapping, flushness, hardware function, etc. if the jambs are not adjusted correctly.*
- 3. Double doors are typically shipped with the leaves loose, and the jamb knocked down into two sections split at the center of the header. One of the assemblies will have a splice bar installed in it. To assemble the jamb, slide the other jamb over the splice bar and fasten the two assemblies together with the supplied screws, ensuring the jambs are aligned.*

- 4. Jambs can be installed after the walls are installed. The header panel can be held up temporarily with the cove base at the top, and tek screws in the bottom corners.*

4. INSTALLATION OF DOOR LEAVES

- A.** Stand the door leaf up on the pivot side of the door jamb assembly.
- B.** Pick up the door leaf and align the hinges on the leaf with the hinges attached to the jamb. Set the leaf in place.
- C.** Doors can come with half, full, or no glazing options. For half or no glazing, a honeycomb panel is used in place of the glazing.
- D.** Doors typically come with glazing and panels installed (but not caulked). Both the windows and the panels must be field caulked. Windows must be caulked in place within 24 hours of being removed from crates to avoid potential delamination during opening/closing of doors. (Silicone typically not provided by Plascore).
- E.** The door leaf can be adjusted if necessary in three directions. To adjust the leaf up-and-down, flip up the plastic cover on the top of each hinge. Use a hex key to raise or lower the set screw to adjust the height of the leaf. To adjust the leaf left-and-right, take the covers off the front of the pivots, and use a hex key to adjust the set screw. To adjust the leaf front-to-back, use a hex key to adjust the set screw on the back of the pivot.

(CONSTRUCTION TIPS:)

- 1. Once doors are installed and fitted, it may be advisable to remove the leaves and store them in a safe place during construction to avoid incidental damage.*
- 2. Carefully follow instructions on all closer adjustment. Improper adjustment can lead to blown cylinder seals.*
- 3. All hardware instructions should be shipped with doors. Follow all manufacturer's instructions for installation, adjustment, and maintenance.*

5. REPLACEMENT OF DOOR GLAZING OR PANEL

- A.** Both glazing and honeycomb panels have a perimeter channel that fits the head of the carriage bolts mounted inside the door frame.
- B.** To remove a window or panel, insert a thin wrench (can be ordered from Plascore) into the seam between the window and door leaf to reach the carriage bolts (2 bolts per side).
- C.** Turn the carriage bolts clockwise to screw them into the door leaf and disengage them from the window or panel.
- D.** Remove the window or panel, and follow the reverse steps to install the new window or panel unit.

(CONSTRUCTION TIPS:)

- 1. Suction cups can be helpful to manage the window units while installing/un-installing.*
- 2. The carriage bolts can be used to adjust the location of the window or panel within the leaf to get proper gapping.*

