

ConservatoryLand®

More light. More space. More living.



Toe and Heeling guide

Comprehensive instructions for glazing your doors

What is Toe & Heeling?

Toe and heeling a single door, French door or a bifold door is essential to ensuring that it operates properly. Toe and Heeling refers to the process in which glazing panels are used to distribute weight into the correct areas of the door. This way, the glass within the door(s) is able to support its own weight without causing the door sash(s) to drop causing the door sash to catch or your locking points mis-align.

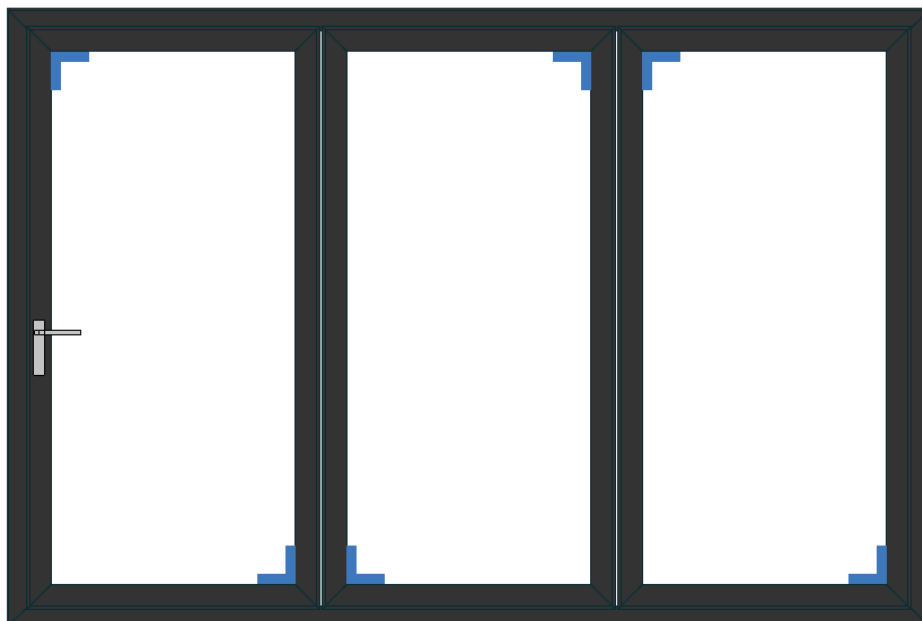
The following example is a bifold door. The principles of Toe and Heeling a bi-fold door are the same as that of a single or French door and involve using packers to brace the glazing in the necessary corners of the sash(s). This always starts with the bottom corner that is fixed to the wall, and then the opposite top corner. Below you will find a step by step guide on how to toe and heel your doors.

Step 1 - Where to start

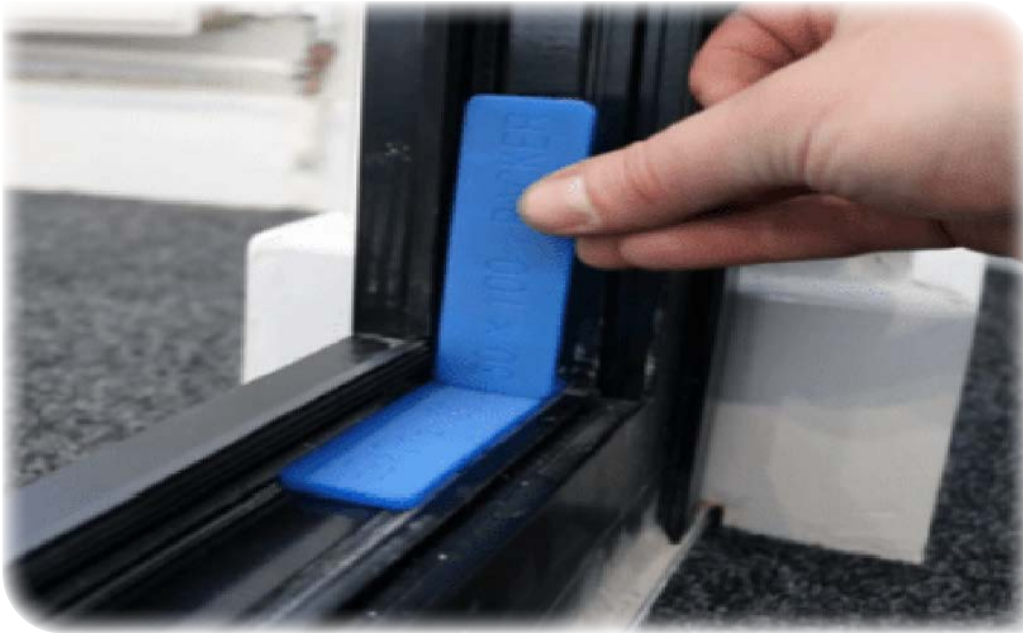


You will need Glazing Packers (supplied, colours may vary), a Glazing Paddle and a Nylon Hammer (or wooden hammer).

Begin by toe and heeling the first panel of your bifolding door at the wall end (furthest away from your master door), and work along the bifold to the master door in a zigzag formation. Start with the bottom corner and then the top corner that is diagonally opposite.



Step 2 - Place the first packers



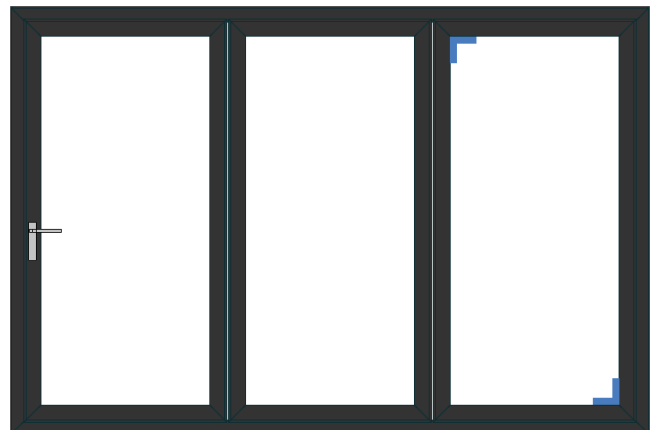
Begin by placing one 5mm packer horizontally and another one vertically in the correct bottom corner of the first sash.

Step 3 - Repeat in top corner

Repeat step 2, this time in the top corner diagonal to where your first packers were placed before installing the glazing unit. (Neutral Silicone can be used to keep the packer in place).



Step 2



Step 3

Step 4 - Pack out the top corner

Use your Glazing Paddle to create a gap between the glass and the top of the frame. Apply pressure on your glazing paddle to lift the frame back into its level position. Place additional packers into the gap until the space is full and the glass sits tightly within the frame. Repeat this at the side where your vertical Packer was placed.

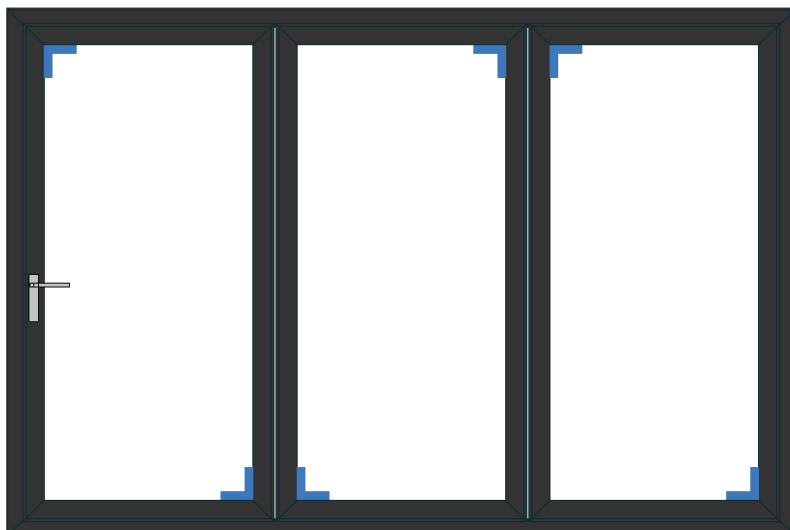


Step 5 - Pack out the bottom corner



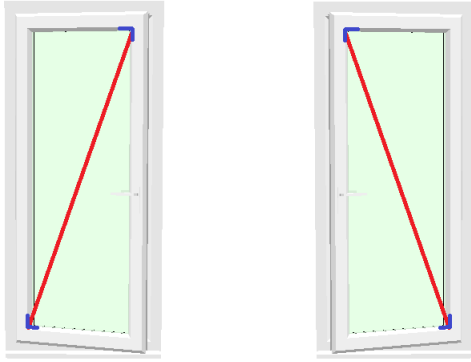
Repeat the previous step in the bottom corner where you placed the first Packers, again making sure that the glass sits tightly within the frame.

Step 2 - Finish the bi-fold

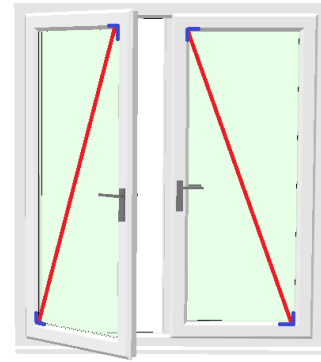


Repeat all steps with the rest of the panes in the Bi-fold, making sure to follow the correct pattern all the way along.

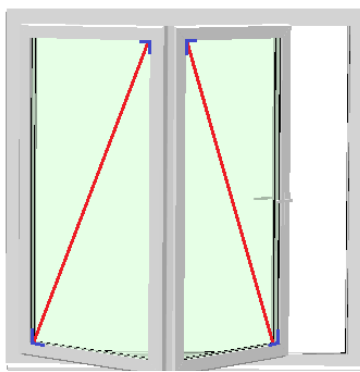
Toe and Heel diagram - Single doors



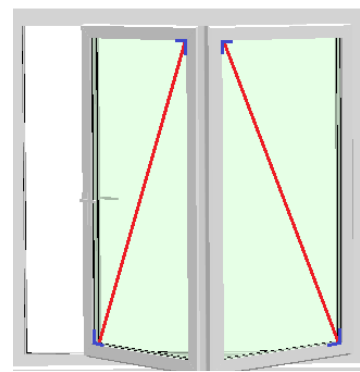
French doors



Toe and Heel diagram - 2 pane Bi-fold doors

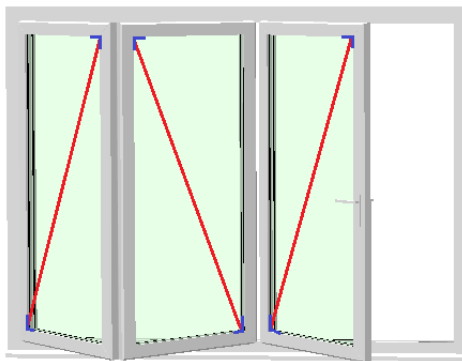


Style 2-2-0 Sliding Left

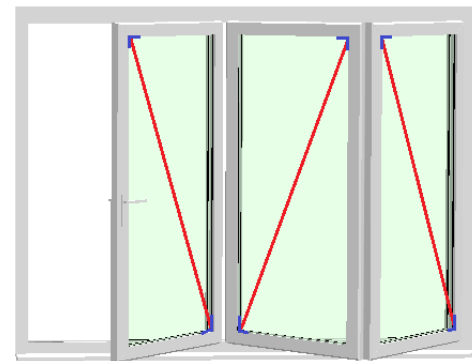


Style 2-2-0 Sliding Right

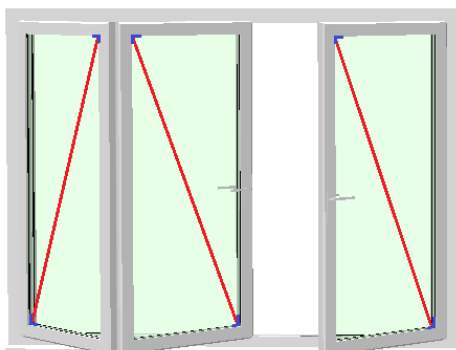
Toe and Heel diagram - 3 pane Bi-fold doors



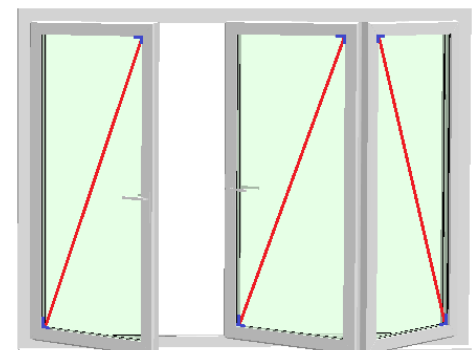
Style 3-3-0 Sliding Left



Style 3-3-0 Sliding Right

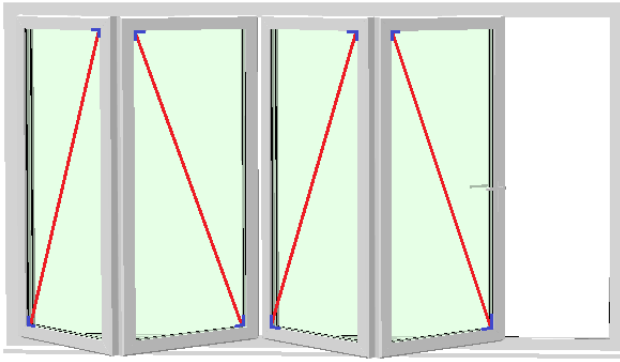


Style 3-2-1 Sliding Left

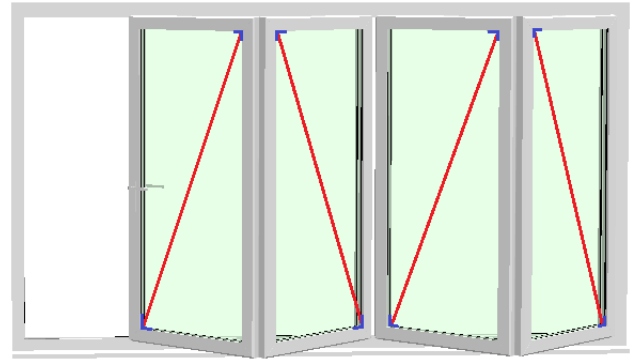


Style 3-2-1 Sliding Right

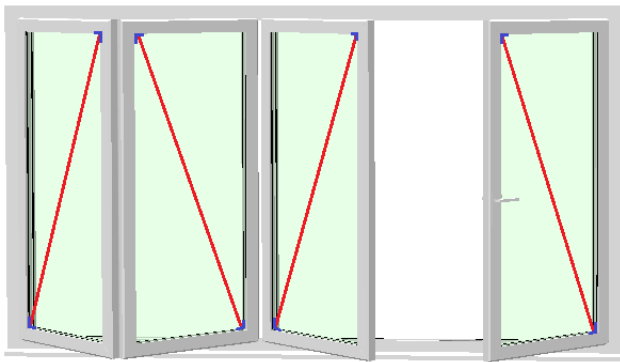
Toe and Heel diagram - 4 pane Bi-fold doors



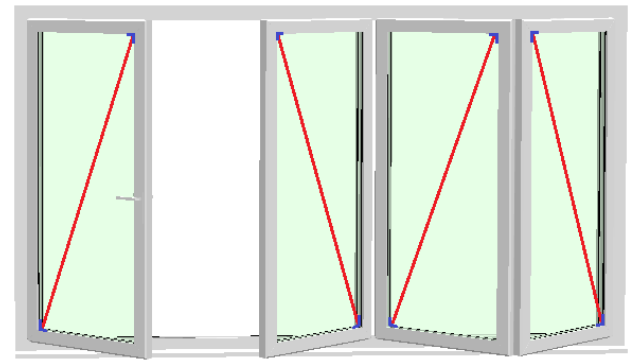
Style 4-4-0 Sliding Left



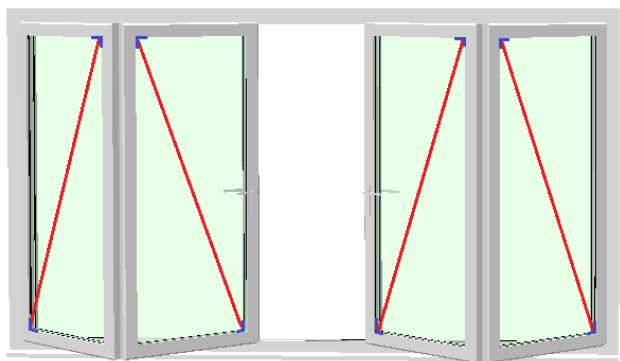
Style 4-4-0 Sliding Right



Style 4-3-1 Sliding Left



Style 4-3-1 Sliding Right



Style 4-2-2 Sliding Left

The examples shown above, and on the previous page are diagrams showing how to Toe and Heel different door types.

The order for each door style is exactly the same as previously described in this instruction.

Patio doors - No Toe & Heeling required

Patio doors are glazed differently to other doors, and do not require you to Toe and Heel them. Instead you use Glazing Platforms to the bottom of each sash to keep the door square and level, and Glazing Packers to prevent glass movement and provide rigidity to the door. The positions shown in the example on the right apply to all Patio door types.

