

Toe and Heel Glazing Guide



The principles of Toe and Heeling are exactly the same for a bi-fold doors as they are for a normal opening window. The reason we Toe and Heel is because the weight of the glass in the frame causes it to drop. When we Toe and Heel, we are essentially using the glass to reinforce the door (much like a support strut on a wooden gate) and for the glass to support its own weight. The steps below will explain exactly how to do this.

Step 1. - Where to toe and heel.

Toe and Heeling is always done in the bottom corner that is fixed to the runner and the top corner diagonally opposite (See diagram below). This is repeated the whole way along and doesn't change, no matter how many doors your bi-fold door has.



Step 2. Where to start.

The yellow arrow on the diagram above shows where to start. It is essential that you start at the fixed end, working your way back towards the traffic door.

Step 3. First Packer...

Before you place the glass into the door, at the corner shown in the diagram before, place a 2mm packer (see pictures below). You can now place the glass into the door sitting it on top of the packer.



Step 4. Second packer/s....

You now want to fill the space with packers between the top of the glass and the door frame, in the corner diagonally opposite from the packer you have just fitted.



Step 5. Lever the glass...

Place your glazing shovel into the side of the glass about two thirds of the way up on the same side as you have just placed the last packers. Now lever the glass away from the frame and place packers into the space that you have created (see photos below).



Step 6. Lever the bottom...

In the same way that you have just levered the top of the glass, you now have to do the same at the bottom on the side where you initially started. Again, use your glazing shovel and lever the glass away from the frame. Fill the space that you have created with packers.



Step 7. Toe and Heeling done!

That is the toe and heeling completed, now its time to fit the beads. This is done by starting with the top bead to secure the glass. When putting the beads in, angle them backwards and then click the front in. The beads are designed to be inserted in this way and are very difficult any other. Once you've fitted the top, do exactly the same for the bottom and then the sides.



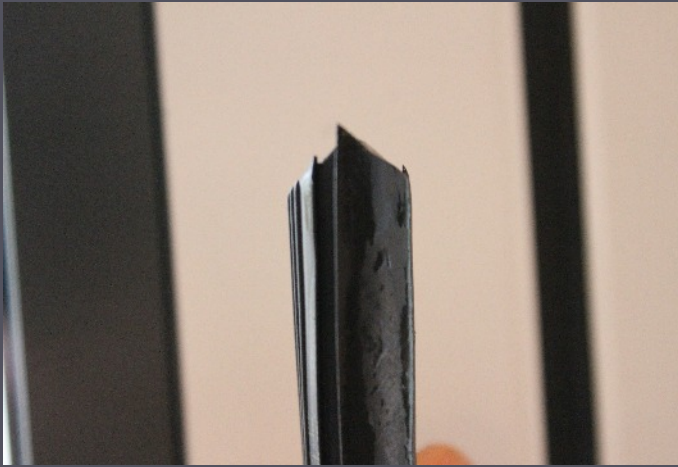
Step 8. Gasket...

All you need to do now is fit the gaskets and the job will be completed. Start by cutting the gasket for the top and bottom of the door. This can be cut square and can be easily fitted using some window cleaning solution to help the gasket to slide into place. Start in the corners and then work your way across the centre.



Step 9. Side Gaskets...

The important part when fitting the side gaskets is that you cut them to shape so the corners. Each side of the gasket is cut to a 45 degree angle. When looking at it, it will look as though you have cut it to a point (see below). Then fit the side gaskets in the same way as you have the top and bottom ones.



Repeat all of the steps across each door and then you can stand back and marvel at your incredible, new bi-fold doors!