



## **INSTALLATION INSTRUCTIONS - CONTENTS -**

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**\*NOTE:** The IBC does not allow an exception for the impact resistance for non-safety rated wired glass. All glazing used in fire doors must comply with CPSC 16 CFR1201, Category I or II, based on the application.

# Fire Door Glazing Instructions

## Installation Instruction 107



Date: June, 2013

Eggers Industries

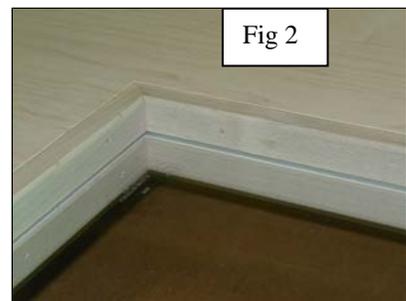
### Glazing Instructions: 20-Minute Full-Lite with Pyroswiss-20 Glazing and Wood Beads

1. 20-Minute doors are supplied with the lite cutout pre-machined by Eggers Industries. The wood glazing bead will be mitered to fit and supplied loose.
2. Carefully remove the wood bead from the lite opening.
3. Lay the door flat, taking care to protect the surface from marring.



cut-out.

4. Secure the bead in one face of the lite opening using nails, supplied by the glazer, at least 1-3/16" in length and 18 gauge in diameter. Nails shall be located within 3" of the corners and no more than 6" between adjacent nails. (Fig 1). Pre-drill nail holes in the bead as required to prevent splitting.
5. Position the door so that the bead is at the bottom of the cut-out.
6. Position two 1/8" x 1/4" x 3" setting blocks (supplied with the glazing) at quarter points on the bottom of the lite opening (Fig 1)
7. Lay the glazing into the opening. It should be located against the setting blocks, leaving a gap between the glazing and cut-out of 1/8" at all four edges.
8. Position the remaining wood bead in the cut-out. The down-set of the beads will vary from door to door due to "tolerance stacking" of the door, wood bead and glazing dimensions. The wood beads have been profiled to allow a nominal 1/64" recess (down-set) at flush doors. If the recess is greater than this, a layer of appropriate thickness PVC glazing tape or a bead of 100% silicone caulk should be used between the back of the bead, and the glazing.
9. Secure the bead as described in step 4 above. (Fig 2).
10. Complete the installation by filling the nail holes with putty and sanding smooth.





## Glazing Instructions: 45-90 Minute Lites with Filmed or Laminated Ceramic Glazing and Veneer-Wrapped Beads

1. These doors are supplied with the lite cutout pre-machined by Eggers Industries. The perimeter of the cutout is machined with recessed pockets for 2-part metal glazing clips. The glazing clips and their nails (Fig 1), together with the bead nails, will be sent loose as an accessory kit. The veneer-wrapped glazing bead (Fig 2) will be mitered supplied loose.

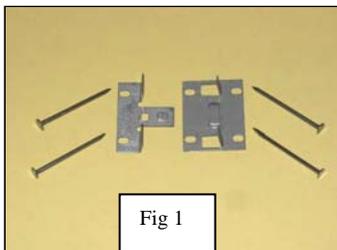


Fig 1

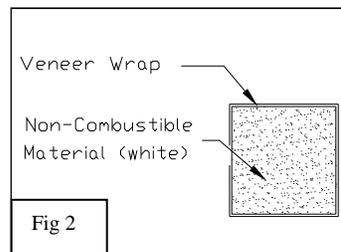


Fig 2

2. Carefully remove the wood bead from the lite opening. The glazing clip pockets are roughly centered within the door thickness.
3. Lay the door flat, taking care to protect the surface from marring.

4. Position the rectangular half of the glazing clip, with the tabs down, being sure it is centered within the door thickness. Secure it using two of the 1-9/16" long 4d nails inserted through the holes below the tabs (Fig 3). Where nails are hand driven into blocking, pre-drilling with a 5/64" bit is required. **Caution:** These clips are directional; insure correct positioning of the clips before beginning to nail them into place. **Note:** Clips are required in all of the machined pockets.

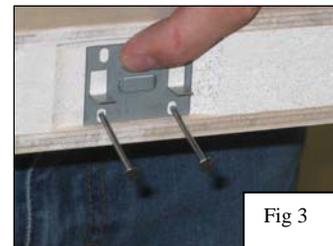


Fig 3

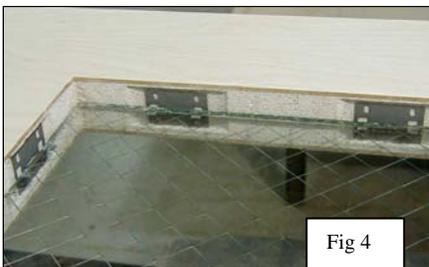


Fig 4

5. After installing the rectangular half of all of the clips in all of the pockets, position the glazing in the opening, resting it against the clip tabs (Fig 4).

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6. Install the second part of the clips by inserting the “tongue” into the raised slot until the locking tab engages (Fig 5).

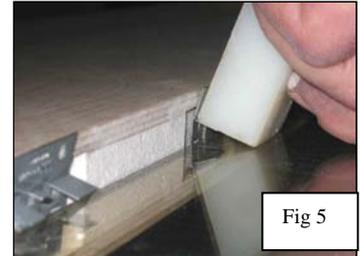


Fig 5

7. Secure the second part of the clip to the cutout using two additional 1-9/16” nails. These nails should extend through the overlapping holes in both halves of the clips (Fig 6).

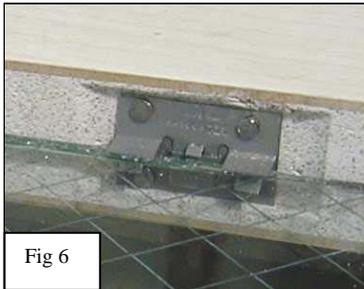


Fig 6

8. Attach double sided glazing tape to the back of the veneer wrapped bead, trimming it to match the mitered corners (Fig 7).

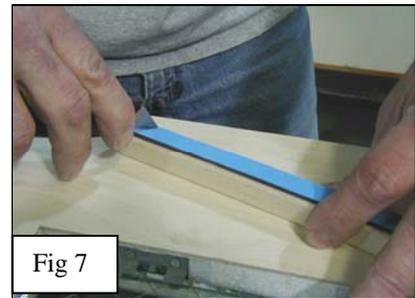


Fig 7

9. Position the wood bead in the cutout. The recess (down-set) of the beads will vary from door to door due to “tolerance stacking” of the door, wood bead and glazing dimensions. Because of this, the veneer-wrapped beads have been profiled to allow a nominal 1/32” recess after the glazing tape has been applied. If the recess is greater than this, thicker glazing tape may be used.

10. After satisfactorily positioning the glazing bead in the opening, secure it using one 16-gauge trim nail (or equivalent) centered between adjacent clips and at each end of the bead (Fig 8).  
**Note:** For hand nailing, use 2” long 6d finish nails and pre-drill the bead and any blocking material the nails will engage using a 5/64” bit is required.



Fig 8

11. Flip the door over and repeat steps 8, 9 and 10.
12. Putty and sand all nail holes before finishing.

# Fire Door Glazing Instructions

## Installation Instruction 107



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### Glazing Instructions: 45-Minute, including Full-Lite, with Filmed or Laminated Ceramic Glazing and Wood Beads

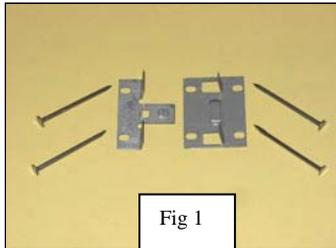


Fig 1

1. 45-Minute full-lite doors are supplied with the lite cutout pre-machined by Eggers Industries. The perimeter of the cutout is machined with recessed pockets for 2-part metal glazing clips. The glazing clips and their nails (Fig 1), together with the bead nails, will be sent loose as an accessory kit. The wood glazing bead will be mitered and supplied loose, with the required glazing tape applied (Fig 2).

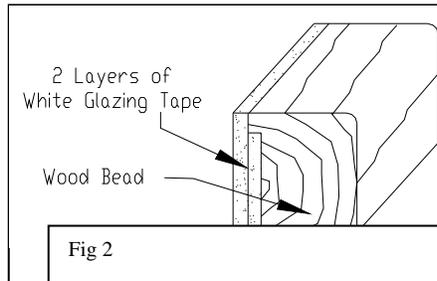


Fig 2

2. Carefully remove the wood bead from the lite opening. The glazing clip pockets are roughly centered within the door thickness.
3. Lay the door flat, taking care to protect the surface from marring.
4. Position the rectangular half of the glazing clip with the tabs down, being sure it is centered within the door thickness. Secure it using two of the 1-9/16" long 4d nails inserted through the holes below the tabs (Fig 3) Where nails are hand driven into blocking, pre-drilling with a 5/64" bit is required. **Caution:** These clips are directional; insure correct positioning of the clips before nailing them into place. **Note:** Clips are required in all of the machined pockets.

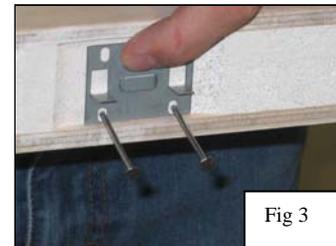


Fig 3

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Fig 4

5. After installing the rectangular half of all of the clips in all of the pockets, position the glazing in the opening, resting it against the clip tabs (Fig 4).

6. Install the second part of the clips by inserting the “tongue” into the raised slot until the locking tab engages (Fig 5).

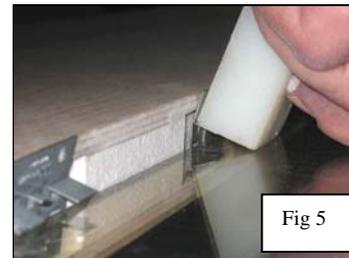


Fig 5

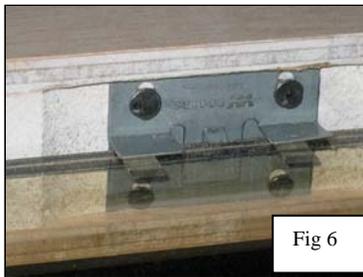


Fig 6

7. Secure the second part of the clip to the cutout using two additional 1-9/16” nails. These nails should extend through the overlapping holes in both halves of the clips (Fig 6).

8. Apply a bead of 100% silicone caulk around the perimeter of the glazing (Fig 7).



Fig 7

9. Position the wood bead in the cutout. The recess (down-set) of the beads will vary from door to door due to “tolerance stacking” of the door, wood bead and glazing dimensions. Because of this, the wood beads have been profiled to allow a nominal 1/32” recess. If the recess is greater than this, an additional bead of silicon can be added between the bead and glazing.

# Fire Door Glazing Instructions

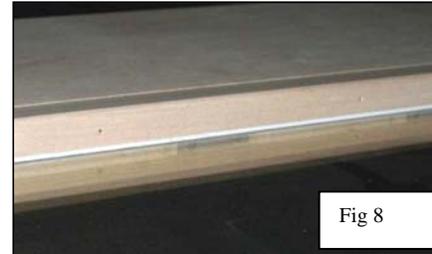
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10. After satisfactorily positioning the glazing bead in the opening, secure it using one two-inch nail (6d finish supplied or 16-gauge trim) centered between adjacent clips and at each end of the bead (Fig 8). Where nails are hand driven into blocking, pre-drilling with a 5/64" bit is required. **Note:** For hand nailing, pre-drilling the bead and any blocking material the nails will engage using a 5/64" bit is required.



11. Flip the door over and repeat steps 8, 9 and 10.
12. Putty and sand all nail holes before finishing.