Mitered Frame Mirror

Installation Instructions*

Your Mitered Frame Mirror includes the following supplies:

- 4 Z-clips,
- 6 drywall anchors
- 2 short silver screws (½") Use either Phillips or square-tip driver.
- 4 long black screws (1") Use either Phillips or square-tip driver.
- 2 long black screws (2 ¼")

Tools and Supplies

- Level
- Tape Measure
- Phillips (cross-tip) Screwdriver (cordless is ideal)
- Power drill

Drywall:

- 3/16" drill bit
- Stud-Finder

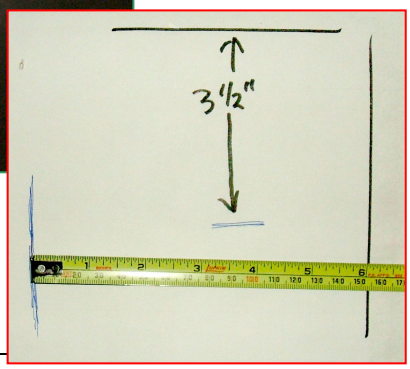
Tile and Masonry:

- Hammer & Center Punch
- Tungsten Carbide Masonry Bit sized for lead anchors (below)
- Lead Anchors for masonry (These must be used, purchase separately.)

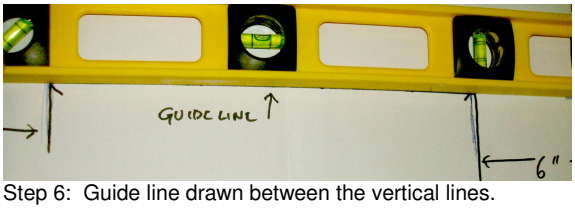
Hint: We taped paper to the wall so you could "see the math" as we measured things out. You might want to do this at home—but use a pencil instead of a marker.

1. Have an assistant hold the mirror at the desired height.
   - The mirror's main user should decide how high it's hung. Not sure? Treat the mirror as if it were a framed painting or portrait.
2. Draw an upside-down "L" (at least 4" long) around each upper corner of the mirror.
3. Make a mark 3 ½" below the top of each "L"
4. Draw a vertical line 6" in from the side of each "L"

Step 2 (left side)



Step 4 (right side)

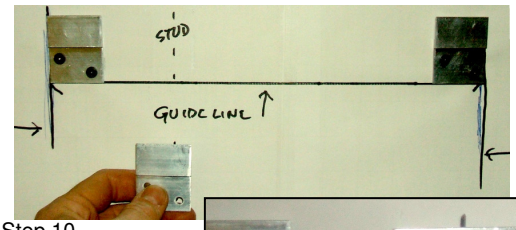


Step 6: Guide line drawn between the vertical lines.

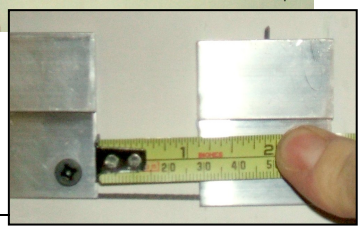
5. Set one end of the level on the first mark and move the level until the bubble is centered in the view glass.
6. Draw a guideline between the two crossed lines
7. Locate and mark each stud the guideline crosses (a stud-finder will help).

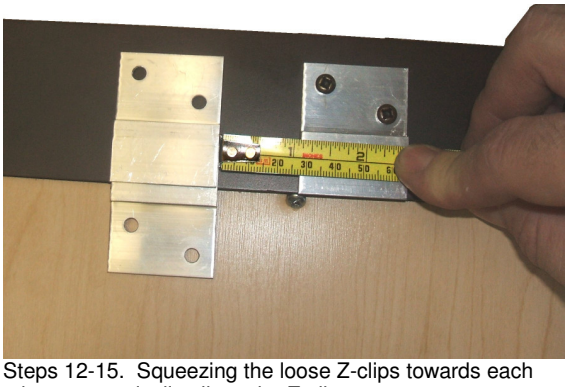
8. Place a Z-clip at each end of the guideline with the grooves against the wall. If the clip is located—
   - Over a Stud: Screw the long black screws into the stud.
   - In Drywall: Mark each hole. Drill with a 3/16" drill bit. Push an anchor into each hole. Screw the long black screws into the anchors.
   - In Ceramic tile/masonry: Mark each hole. Gently score each marked hole with hammer and punch. Drill with tungsten-carbide masonry bit. Push a lead anchor into each hole. Screw your purchased screws into the anchors.

9. Prepare to attach 4th Z-clip to wall—but wait until Step 16 before you attach it.
   - Drywall or Wood: Align Z-clip over a stud, mark each hole.
   - Ceramic Tile or Masonry: Center the Z-clip between the Z-clips you mounted in Step 8. Mark each hole. Gently score tile with hammer and punch. Drill with tungsten-carbide masonry bit. Push a lead anchor into each hole.
10. Measure (and record) the distance between the **left** Z-clip and the last Z-clip.
    - **Measure from the left—** it's important.



Step 10





Steps 12-15. Squeezing the loose Z-clips towards each other automatically aligns the Z-clip.

11. Place mirror face down on a flat, cloth-covered surface.
12. Place a Z-clip against (and over) the edge of the frame.
    - Grooves against mirror back, point away from mirror.
13. Place the other Z-clip over the loose clip. (See picture).
    - Grooves against frame, point towards mirror.
14. Measure the distance in Step 10 from the mirror's **right** Z-clip.
    - Measure from the **right—**it's important.
15. Squeeze the loose Z-clips together and mark the screw holes. Screw the Z-clip to the frame with supplied ¾" screws.

16. Mount the last Z-clip to the wall.
17. Check that the distance is the same between the two Z-clips (you can be off ½" or so).
18. Hang the mirror on the wall and make sure it's exactly where you want it.
19. Photograph yourself, remove the mirror and peel the most of the paper off the wall. The small scraps around and behind the Z-clips won't be seen.

Step 17. Clips should be about equal.

Step 19. Typing paper behind the top of the frame is all we needed.

***Zero-Tolerance Installations—** Step 3 measurement (of 3 ½") changes as follows: Frame width + 1¼" (3 ⅝" is typical). This affects vertical placement only. Fine-tune the horizontal placement by sliding the mirror (up to ¾") right or left on the Z-clips.